THE CHEMIST AND DRUGGIST

TELEPHONE NUMBER: 3617 CENTRAL (3 lines).

Established in **ENGLAND, 1859.]**

Registered as a Newspaper.
Published Weekly at 42 CANNON STREET, LONDON, E.C.

TELEGRAPHIC ADDRESS: "CHEMICUS, CANNON, LONDON." [Charged as two words only.]

Established in **[AUSTRALASIA, 1885.**

No. 1,887. Vol. LXXXVIII. MARCH 25, 1916.

Subscription Rate 12s 6d per annum. Single Copies, 6d each. Winter and Summer Issues, 1s. each. Post Free

Extract of Malt
with
Cod Liver Oil
packed in amber-tinted glass jars —labelled.

SIZES.
½ lb., 1 lb., 2 lb., 4 lb.

Orders can be received for delivery.

Allen & Hanburys,
Limited,
London.

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½ lb., 1 lb., 2 lb., 4 lb.

Orders can be received for delivery.

Allen & Hanburys,
Limited,
London.

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"A Rose by any other name would smell as sweet."

NOTHING, HOWEVER,
SMELLS AS SWEET AS

"ROSETTOL"

"ROSETTOL" was first in the field, and holds first place amongst the synthetic rose products.

Read the following testimonial recently received from an eminent Pharmacist:—
GEORGE LUNAN, F.C.S., Pharmaceutical Chemist, Edinburgh, writes:—
"Rosettol is better than any other artificial otto that I have tried."

The Pharmaceutical Journal says:—

"When the firm's Rosettol was first introduced, we were much impressed by its excellent qualities, and thought it was, in fact, an improvement upon the natural otto; we think so still, and frequently take occasion to recommend it instead of otto to inquirers who write asking us for an elegant toilet perfume. As the pioneer synthetic oil of rose on the English market, it yet maintains its premier position."

Umney's Perfumery Products

WERE AWARDED

GRAND PRIX, Turin International Exhibition, 1911.
GOLD MEDAL, Brussels International Exhibition, 1910.

WRIGHT, LAYMAN & UMNEY, Ltd.

SOUTHWARK — LONDON.

H · M · M · Co

HORLICK'S RATION TINS

OF

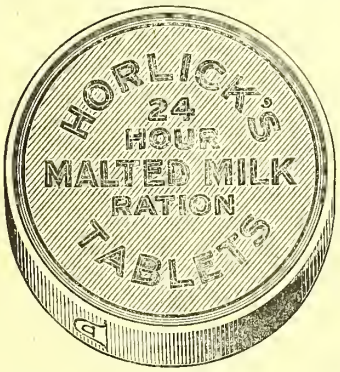
MALTED MILK TABLETS

can now be supplied
in limited quantities
TO THE TRADE
at

12/6 per Doz.

plus carriage.

For Despatch
BY POST
—TO—
MEN AT
THE FRONT



RETAIL
- PRICE -
1/6
PER TIN.

ORDER OF YOUR WHOLESALE HOUSE
OR OF
HORLICK'S MALTED MILK CO., SLOUGH, BUCKS.

H · M · M · Co

Chymol

THE FOOD THAT BUILDS!

The advertising campaign now in progress provides special support for retail pharmacists. All Chymol advertisements in the daily and weekly press carry the phrase "ASK YOUR CHEMIST—HE KNOWS." It is expected that this reference will be helpful towards securing the interest of the public and it will be understood that it is used with the idea of sending the general public to the pharmacist.

A feature of the first three weeks of Chymol advertising is the inclusion with each advertisement of a coupon of the cash value of 6d. More than thirty millions of these coupons will be issued, and they will appear in papers whose combined circulation is calculated to reach the entire United Kingdom.

Write to us for special terms on window display purchases.

The P.A.T.A. Prices are:

1/-, 2/6 and 10/-

THE CHYMOL COMPANY Ltd.
ATLANTIC HOUSE,
HOLBORN VIADUCT, LONDON, E.C.

REVISED PRICES.

LARGE SALES—GOOD PROFITS, P.A.T.A.

ASSURED TO CHEMISTS WHO PUSH

COW & GATE MILK FOODS

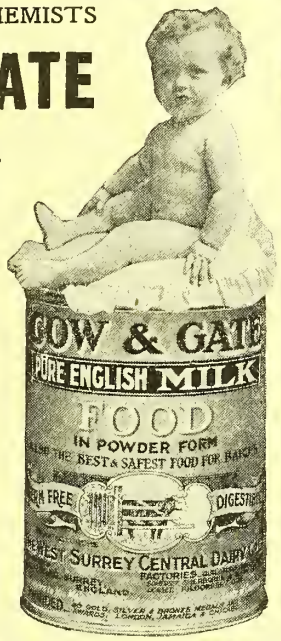
THE POPULAR, PRACTICAL SUBSTITUTE FOR MOTHER'S MILK.

Saves the Lives of Delicate Infants.

A BOON TO MOTHERS AND NURSES.

"BABIES LOVE IT."

HIGHLY APPROVED BY THE MEDICAL PROFESSION.



Owing to the continual rise in cost of milk, tins, packing materials and all manufacturing costs, we have been compelled to advance prices of our well-known Foods, as revised price list attached.

These Prices show the Retailer an Average Profit of over 27 % on a monthly a/c, with a carriage paid minimum of 30/-.

The size and contents of our tins have not been reduced. It remains the best value to the public of any complete Milk Food on the Market.

WHOLESALE PRICE LIST OF TINS. All Previous Lists Cancelled.

	Size	Minimum Retail Price	Minimum Wholesale Price
FULL CREAM FOOD. (Pink Label.) For general use and for Children and Infants over 6 months old.	1/-	1/-	9/- doz.
	1/11	1/11	17/6 doz.
	HOUSEHOLD TIN.		
	5/7	5/7	4/4 each
HALF CREAM FOOD. (Blue Label.) Best for Infants under 6 months. Its use saves delicate Babies.	10½d.	10½d.	7/10 doz.
	1/8	1/8	15/- doz.
	HOUSEHOLD TIN.		
	4/9	4/9	3/7 each
SEPARATED. (White Label.) Contains about 1 per cent. of its Butter-fat, but is specially rich in proteid, containing about 40 per cent., that is, 1lb. of this Powder contains as much body building material as 2lb. 10oz. of Fresh Beef. The special method of preparation renders this milk perfectly easy of digestion to the most delicate.	1/-	1/-	9/- doz.
	HOUSEHOLD TIN.		
	4/6	4/6	3/4 each

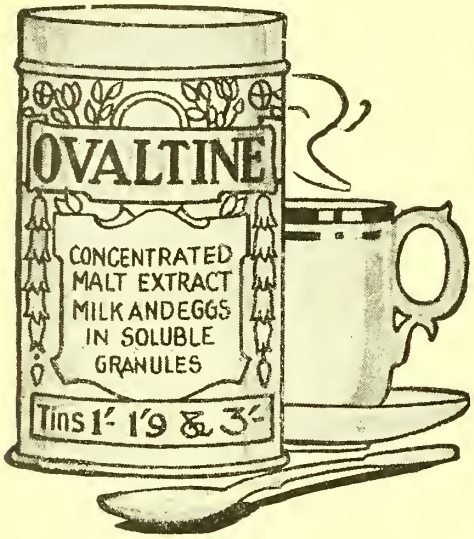
TERMS:—2½ % Discount will be allowed on a/cs paid by the 15th of each month following date of Invoice. After which date no discount will be allowed under any circumstances whatever.

CARRIAGE PAID on orders of 30/- by goods train England and Wales, and on orders of 60/- value Scotland and Ireland. When required by passenger train the difference between goods and passenger rate will be charged.

STOCKED BY ALL THE LEADING WHOLESALE HOUSES.

SOLE MANUFACTURERS:

THE WEST SURREY CENTRAL DAIRY COY., LTD., GUILDFORD.



Two Questions for you

1. Are you taking full advantage of the firm demand for "Ovaltine" resulting from wide and general recommendation by the Medical and Nursing Professions, supported by an extensive scheme of press advertising?

The popularity of "Ovaltine" is assured. Its high food value, ease and rapidity of assimilation and rich organic phosphorus content have led to its general recognition as the best Tonic Food. It is unique in being presented in the form of a delicious beverage to be taken instead of tea, coffee, or cocoa, which it also largely displaces as a daily beverage.

2. Are you buying on the best terms?

"Ovaltine" is a profitable additive line which pharmacists have many opportunities of introducing. On our special co-operative terms it yields a profit of

45% on outlay.

If you are not buying on this basis write to-day for our special terms.

INQUIRIES INVITED FOR EXPORT TERMS.

A. WANDER, Ltd., 45 Cowcross St., LONDON, E.C.

Works: King's Langley, Hertfordshire.

OVALTINE

TONIC FOOD BEVERAGE

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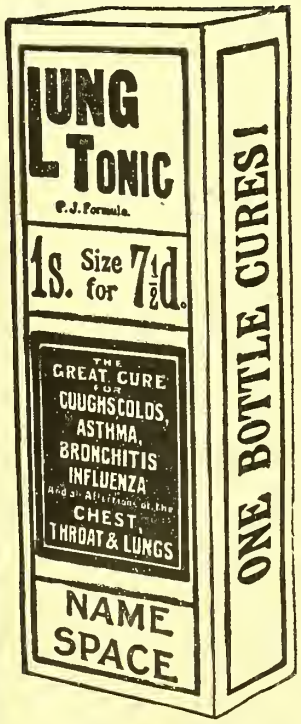

A SEASONABLE SPECIALITY

BEARING YOUR OWN NAME

LUNG TONIC

FREE Window Slips
FREE Showcards
FREE Delivery
FREE Packages
FREE Sample
NAME on Label
NAME on Carton

P. J. Form., therefore no stamps required. Known, admitted, and approved.

Profit over 100%, and nothing to do but hand it over the counter. Makes an effective Window Show. — Quick seller. Sure repeats. —

Two Sizes, selling at 7½d. and 1/3.

Write for new scale of prices according to quantity ordered.

Davies, Sons & Co

Manufacturing Chemists, THE BRIDGE STREET, DERBY.

Apply for Prices for

PILLS, CAPSULES, TABLETS, AND OTHER OWN NAMED PACKED LINES.

THE MOST ECONOMICAL INFANTS' FOOD.

TRADE MARK "FRAME FOOD"

ON P.A.T.A. LIST. *SHOWCARDS FREE.*

FRAME FOOD CO., Standen Road, Southfields, London.

"FERROCARNIS"

A pleasantly flavoured solution of iron in organic combination with BRAND'S Concentrated Raw Meat Juice.

Ferrocarnis combines the stimulating properties of meat juice with the tonic effect of iron. This product does not cause constipation, and thus affords a means of administering iron to patients who are unable to take ordinary iron preparations.

PREPARED BY

BRAND & CO., LTD., MAYFAIR WORKS, SOUTH LAMBETH ROAD, S.W.

Lofthouse & Saltmer, Ltd.

Wholesale and Export Drug Merchants, Manufacturing Chemists

HULL

Regret that, owing to great increases in cost of ingredients and containers, they are reluctantly compelled to raise the net prices of the following P.A.T.A. lines :

	Protected Retail.	Dozen Net.
LOSALL'S SALT - -	6d. tins	4 -
,, ,, - -	1/- ,,	8/-
,, ,, - -	1/6 bottles	10/6
,, BALLROOM FLOOR POLISH	1/- tins	7/6
,, MILK FOOD (1/- tins)	10d. each	7/-
		Dozen Boxes net.
LOSALL'S SOAP - -	4d. tabs. (3 tabs. in box)	8/6

Chemists requiring effective advertising matter for Losall's Salt, &c., will, on application direct to Lofthouse & Saltmer, receive a liberal supply of Dummies, Showcards, Window Slips, Price Tickets, &c., Carriage Paid, whether or no they have an account open with the Firm.

HONEY! HONEY!

"JOYBELLS" HONEY.

The choicest and most delicious Honey procurable. Screw Top Glass Jars, **9s. 3d.** and **5s. 6d.** per doz.

"JOYBELLS" HONEY Red Earthenware Pots, **8s. 9d.** and **4s. 9d.** per doz.; In Bulk, **7½d.** per lb. Tins charged and returnable.

The Institute of Hygiene state—"We are satisfied that 'Joybells' Honey is a genuine product, possesses the distinctive flavour imparted to bee honey, and is a most pleasant and wholesome article for general table use."

"SUMMERLAND" HONEY.

Equals that usually sold as Finest Clover Honey. Screw-Top Glass Jars, **8s. 3d.** and **5s.** per doz.; In Bulk, **6½d.** per lb.

"SWEET FLOWER BELL" HONEY.

Fine quality. Clean Flavour. Tie-Over Red Earthenware Pots, **6s. 6d.** and **4s. 3d.** per doz. In Bulk, **5½d.** per lb.

BEESWAX. Choice quality, **1s. 8d.** per lb.; 1 oz. Moulds, **1s. 6d.** per doz.

Carriage paid anywhere in England on Orders of £2 value. Samples 3d.

STANDARD HEALTH FOOD COMPANY

(With which is incorporated The Berkshire Honey Co.)

Honey Specialists, **READING, BERKS.**

Do You Sell Sister Lauras Food?

The question is often asked nowadays. The Chemist who does not stock Sister Lauras Food is missing a good line.

Sister Lauras Food is achieving great success as a preparation for weakly babies and for invalids and the aged.

It makes milk digestible and is invaluable in cases of malnutrition.

It is a thoroughly reliable line and one that brings a handsome return.

Samples and advertising matter free on application.

SISTER LAURAS INFANT FOOD CO., Ltd., 156 Vincent Street, GLASGOW.

THE FRENCH NATURAL MINERAL — WATER. —

VICHY-CÉLESTINS

DISORDERS of the LIVER, GOUT, Diabetes, Rheumatism, Gravel, &c.

VICHY-ETAT PASTILLES.

Two or three Pastilles after each meal facilitate Digestion.

CAUTION.—Each Bottle from the STATE SPRINGS bears a neck label with the words "VICHY-ETAT" and the name of the SOLE AGENTS: INGRAM & ROYLE, Ltd., Bangor Wharf, 45 Belvedere Road, LONDON, S.E.

PROPERTY OF THE FRENCH GOVERNMENT.

ALL CHEMISTS SHOULD STOCK **ABDINE**

THE GOLD MEDAL FRUIT DRINK.

Quick Seller. Big Profits. Quarter of a Century's Reputation.

"ABDINE" is the most popular Health Drink. Superior to all Mineral Waters. Sold in 1d. Packets, and Boxes of 13 Packets at 1/-

Order through your Wholesale Drug House.

D. M'GLASHAN, M.P.S., 12 West End Place, EDINBURGH.

Wholesale Prices on Application.

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A. MILLAR & CO., LTD., DUBLIN

PURE ORANGE WINE

VINUM AURANTII B.P. Prepared in strict accordance with the Formula of the British Pharmacopœia. (Wholesale only.)

London Agent: JAMES STIRTON, 48 GREAT TOWER STREET, E.C.

SAPONINE

(SOLUBLE),

MANUFACTURED BY

C. W. FIELD, LTD.,

Cambrian Mills, LIVERPOOL.

Special Terms to Wholesalers and large Consumers.

TOMMY'S COOKER.

A Marvel of Simplicity & Utility

Is the most welcome gift to soldiers in the trenches . . . Give **him** one before he leaves for the front. . . . For preparing food out of doors it is perfection.

Used by the British, Belgian and French Army in the Field, and the Red Cross Society.

PRICE, 1/- REFILLS, 2/-

ADVANTAGES.—1. Wind does not blow it out. 2. Composition unaffected by weather or climate. 3. Stand carries heavy pots or pans.

Tommy's Cooker Co. Ld.

Works: 32 BREWERY ROAD, N.

RAJAR

IN VIEW of the possible difficulties of getting consignments through to customers in time, it will be mutually advantageous if you would place your orders for the summer trade in photo materials at an early date. Our facilities for production have been and are still being increased—quality is being maintained—but the question of delivery is urgent. Will you write us your wishes early?

BROMIDE
PAPERS & POSTCARDS

Intended for making enlargements by artificial light or daylight, and for rapid contact printing. They can be developed with any good developer, and yield prints of a beautiful black colour with fine half-tones and pearly whites. When desired, prints of a fine sepia or blue colour, closely resembling carbon prints, can be produced easily by toning.

Made in eleven grades and surfaces.

BROMID POSTCARDS are acknowledged to be the best printed cards in the trade. They are used by nearly all the largest publishers.

RAJAR

"EVERY PRINT A PICTURE"
because our products are
GUARANTEED.
Trade Quotations on request.
RAJAR *Limited,*
Manufacturers of
FILMS, PLATES & PAPERS
10, MOBBERLEY, in CHESHIRE

GASLIGHT
PAPERS & POSTCARDS

normally give black tones, but they can be toned sepia by the Sulphide method. Being rapid, they are suitable for printing by artificial light, and do not require the use of a dark room.

Distinguished by their ease of working freedom from fog and stains, brilliancy of the image, and pureness of the whites. They never show abrasion or friction marks, and are without doubt the finest Gaslight papers and cards extant.

We make two grades—"Ordinary" for normal negatives and contrasty results, and "Special Portrait" for dense negatives and soft results—and in four different surfaces.

PHARMACEUTICAL AND PHOTOGRAPHIC PRODUCTS

R.W. Greeff & Co.,

offer at lowest prices the following products manufactured in the United Kingdom, Allied and Neutral Countries.

(WHOLESALE QUANTITIES ONLY)

Barbitone
Bromide of Ammonium
Bromide of Potassium
Bromide of Sodium
Chloral Hydrate
Cinchonine Sulphate and Muriate
Cinchonidine Sulphate
Citric Acid
Cocain Hydrochlor and Puriss
Cream of Tartar
Creosote Carbonate
Eucalyptus Oil
Formaldehyde
Gallic Acid
Glycerophosphates
Guaiacol Carbonate
Heliotropin
Hexamine
Homatropine
Hydroquinone
Isarol (best Ichthyol substitute)
Lithia Carbonate
Lithol (Ichthyol sub.)
Mercurials
Methyl Salicylate
Peppermint Oil
Pepsine
Phenacetin
Phenazone
Pyrogallic Acid
Potassium Sulpho-Guaiacolate
Quinine and Salts
Quinine Ethyl Carbonate
Salicylate of Soda
Sugar of Milk
Tannic Acid
Tannin Albuminate
Terpineol
Theobromine
Vanillin

R.W. Greeff & Co.,
Thames House. Queen Street Place
London. E.C.

"FARRISOL"

ENGLISH MADE

WHITE MEDICINAL OIL, B.P.

(PARAFFINUM LIQUIDUM, from Pure Russian Oils),
ABSOLUTELY ODOURLESS AND TASTELESS,
RECOMMENDED AND ADOPTED BY THE HIGHEST MEDICAL AUTHORITIES,

is guaranteed to exactly conform to B.P. tests.

Consumers should insist upon a thorough test, as there are so-called white oils on the market which lack the pure ingredients and the special treatment absolutely essential to produce the B.P. article. By purchasing from Charles Farris you secure the guarantee of an old-established House and complete satisfaction. Samples and prices for comparison free on application.

Large Stocks always Ready for Immediate Delivery.

Pure Olive Oil. Special Refiner of Oils for the fine Clockwork of Telegraphic Instruments.
Insulating Fluid and Wax. OIL REFINER TO H.M. GOVERNMENT.

The only actual Manufacturing Wax Chandler in the City of London.

CHARLES FARRIS, 71 BISHOPSGATE, LONDON, E.C.

Works—HELMET COURT, BISHOPSGATE, E.C.

Warehouses & Stores—91 & 93 BISHOPSGATE, and 12 WORMWOOD ST., E.C.

Telephones: LONDON WALL, 9397 and 9398. Telegrams: "WAXINESS, LED, LONDON."

Place your Winter Contract now

FOR

MALT & OIL, COD LIVER OIL, MALT EXTRACT

AT NORMAL PRICES. AT NORMAL PRICES.

Finest Scotch Malt, Finest Norwegian Oil, Finest English Bottles and Jars.

SPUN OINTMENTS impalpable and absolutely uniform, are now the standard of quality.
(Regd. Trade Mark.) And CREAMS of every kind for HOME and EXPORT trade.

Spun Ointments are the production of Shen Works only. All B.P. Ointments are now spun.

ROBERT BLACKIE, WHOLESALE AND EXPORT MANUFACTURING CHEMIST,

Head Office, Mills and Laboratory—

SHEN WORKS, Tower Bridge Road, LONDON, S.E.

TELEGRAPHIC ADDRESS: ELEVEN CENT LONDON

Maw's Page

S MAW SON & SONS (GPO BOX No 541) 7-12 ALDERSGATE ST LONDON E C

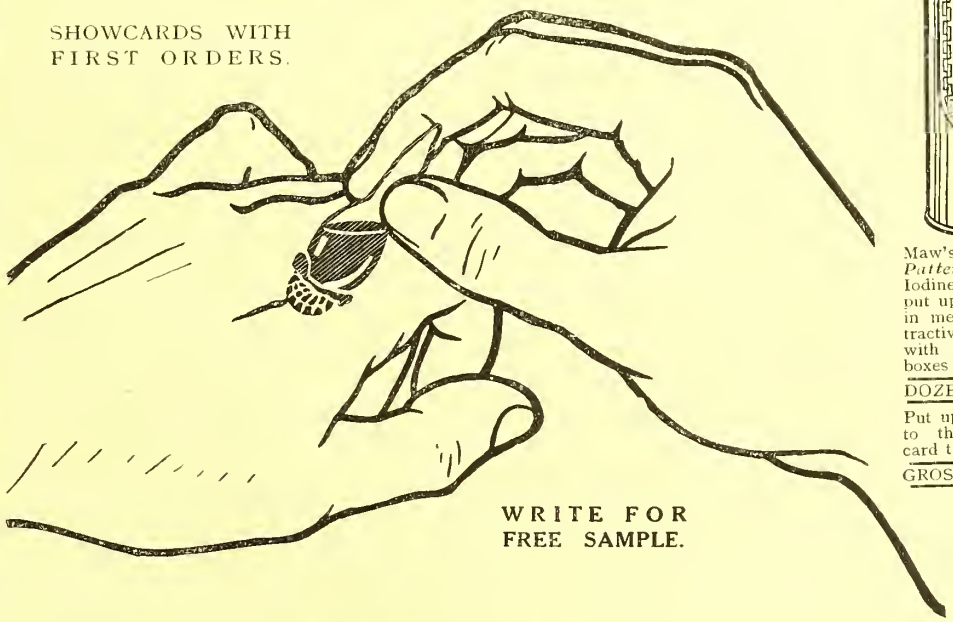
TELEPHONE CITY 7 PRIVATE BRANCH EXCHANGE

NUMBER 232 MARCH 25, 1916

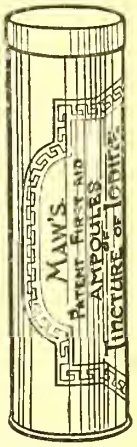
MAW'S OFFICIAL ARMY PATTERN FIRST AID
TINCTURE OF IODINE AMPOULES

are the genuine "first aid" remedy carried and used by soldiers, sailors, munition workers, doctors, engineers, motorists, gardeners, and all whose occupations make them liable to septic infection.

SHOWCARDS WITH FIRST ORDERS.



WRITE FOR FREE SAMPLE.



Maw's *official Army Pattern* Tincture of Iodine Ampoules, put up in silky fibre in metal cases, attractively printed with directions, in boxes of half-dozen.

DOZEN - 2/6

Put up as supplied to the Front, in card tubes.

GROSS - 18/-

The Green Form

One of the outcomes of war has been the introduction of the "green form." Filled in by an obliging magistrate, it becomes a passport, permitting the holder to leave these shores. You may have the most pressing appointment in Honolulu, or a long-standing engagement in Paris, without the green form you are as helpless, "for the duration of war," as a straw hat in a typhoon.

. . . .

Business, too, creates new contingencies. However well equipped and controlled, the conduct of a large House demands perpetual "tuning up." Some time ago the urgent orders directed to us assumed such embarrassing proportions that our system, hitherto found to be adequate to cope with it, had to be superseded by a new organisation.

. . . .

We introduced the green form. By its use no urgent order is executed without the form being filled in by the various departments concerned. It expedites the completion of the order, and becomes a valuable source of information should the goods by any chance be delayed.

. . . . .

This form, of course, bears the name and address to which the goods are to be sent. Before they reach the customer's hands the form is filed, and bears the *time* and the signature of the managers responsible for the dispatch. If the goods are sent by passenger train the form shows the time of departure and the signature of the special messenger.

. . .

No matter how large or how small the order, it receives the same careful attention at our hands. The green form is at once a passport for your orders, a record of its execution, and an example of the methods employed to ensure prompt attention to our customers' requirements.

Capsule

"ERASMIC" WINDOW DISPLAY

A SURE SOURCE OF PROFIT!

SPECIAL OFFER

B. Parcel ½ gross "ELITE" boxed (Selling Value 24/-)
Given Free.

	£	s.	d.
2 gross **Peerless** or **Elite** boxed, at 40/-	4	0	0
1 ,, **Peerless** or **Elite** loose, ,, 38/6	1	18	6
2 doz. **Shaving Sticks** . . ,, 7/-		14	0
	6	12	6
Less . 5%		6	8
Net . .	£6	5	10

An adequate quantity of Showcards, Window Bills, and Price Tickets, to enable you to make a **GOOD SELLING DISPLAY,** supplied with each order.

Price List on Application.

ERASMIC Perfumers **Warrington**

Exquisitely Perfumed **BRILLIANTINES** And other Select Lines

Brilliantines.

No. 1, 1¼ oz., **3/3** doz.
No. 1a, 2½ oz., **5/3** ,,

Assorted Perfumes. High-class Labels Printed in Blue & Gold. Sprinklers, while they last, afterwards Corks and Semreh Caps.

Shampoo Powders.

Pink Envelopes, beautifully Printed in Brown and Gold.
10/6 gross.

Solid Brilliantine.

(*Essonaline.*)

Handsomely packed in 2 oz. Gilt Tins. Used with the Hair Brush. Popular with Ladies and Gentlemen, but specially so with Men on Service. Protected Price, 6*d.* **2/9** doz. Showcards and Window Dummies Free.

Essona Tooth Powder.

Packed like "Essonaline." Protected Price 4½*d.* **2/3** doz.

110 per cent. AVERAGE PROFIT ON ABOVE LINES **110** per cent.

Prompt Delivery. Orders of £1 or more Carriage Paid for Net Cash with order (in London, on delivery).

ESSONA PERFUMERY CO., Essona Works, Garfield Road, WIMBLEDON.

Wholesale Agents for Egypt, Gibraltar and Malta, Hickson & Thomas, Ltd., London and Cairo.

MORE PROFIT FOR YOU on "KOKO."

On and after March 24, the P.A.T.A. minimum prices for "Koko for the Hair" will be fixed at 1/-, 2/3 and 4/- per bottle. This slight increase enables us to secure a better profit for both Retailer and Wholesaler, and at the same time helps to pay a part of the increase in the cost of all materials of manufacture.

OUR NEW SCALE OF PRICES

is as follows, HOME TRADE "KOKO" ONLY being affected by the change.

"KOKO FOR THE HAIR."

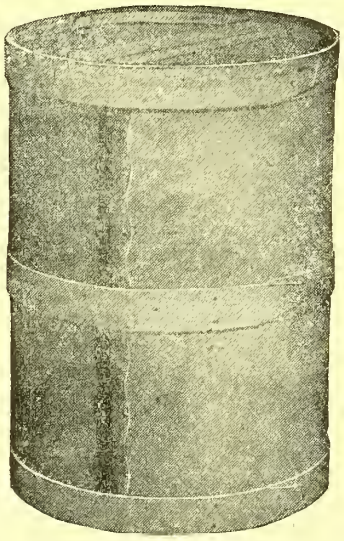
Advertised size	P.A.T.A. Minimum Retail	Dozens	£10 orders	£50 orders
1/-	1/-	10/-	9/6	9/-
2/6	2/3	22/9	21/6	20/6
4/6	4/-	41/3	39/9	37/6

Carriage Paid on orders for £10 and over. Terms: Strictly net.

"KOKO" is still the PUBLIC FAVOURITE among HAIR DRESSINGS; we have always aimed at securing a FAIR PROFIT for our RETAIL FRIENDS, so helping to secure their co-operation.

KOKO-MARICOPAS CO., Ltd., 16 Bevis Marks, LONDON, E.C.

BRITISH MANUFACTURE



SPECIAL PATTERNS FOR ANILINE DYES

THE "VENESTA" WAY

¶ Wastage, leakage and damage in transit—claims on Railway and Steamship Companies in consequence—loss from goods spoiled or deteriorated by the action of air and water, these disadvantages are all obviated by using

"VENESTA" KEGS

LIGHT — STRONG — WATERPROOF

¶ In addition they will save you money on actual Freight and Rail Charges by reason of their lightness and compactness.

¶ The reason of this lightness and compactness is that they are made from *"Venesta" Patent Waterproof Plywood.*

VENESTA LTD.

1 Great Tower Street, LONDON, E.C.

Manufacturers, under the "Venesta" Patents, of boxes, cases and trays of all descriptions for home and export.

VL

Petroleum Jelly

White, Yellow, Amber, & Ruby Red, for all Pharmaceutical and Veterinary purposes

MEADE-KING, ROBINSON & CO.
LIVERPOOL - - - MANCHESTER

TO ALL BUYERS OF

PARAFFIN WAX

SPECIALITY HIGH GRADE WAX

APPLY TO [2]

ASIATIC PETROLEUM Co. LTD
St. Helens Court, Great St. Helens, LONDON, E.C.

RADIUM COMPOUNDS, &c.

GLEW'S RADIUM LUMINOUS PAINT.
(Originated 1904.)
For Clocks, Watches, Compasses, from 5/- per grain.
Mesothorium Luminous Paint, from 2/8 per grain.
(Not less than 10 grains supplied.)

PURE SALTS OF RADIUM & MESOTHORIUM.
Ionium, Actinium, Radio-Lead.

RADIO-ACTIVE SOIL FERTILISERS
of guaranteed strength.

GLEW'S PATENT SCINTILLOSCOPES, &c.
Applicators prepared. Radium Salts Bought, Sold, Exchanged, and Certificated against International Standards.

F. HARRISON GLEW, M.P.S., *Radiographer,*
156 Clapham Road, LONDON, S.W.

CORKS

of all descriptions.

Cheapest House in the Trade.

CORKS

DISPENSING CORKS from 4d. per gross.
Also AMMONIA CORKS, etc.
TRY US, IT WILL PAY YOU.
Samples and Prices on application.

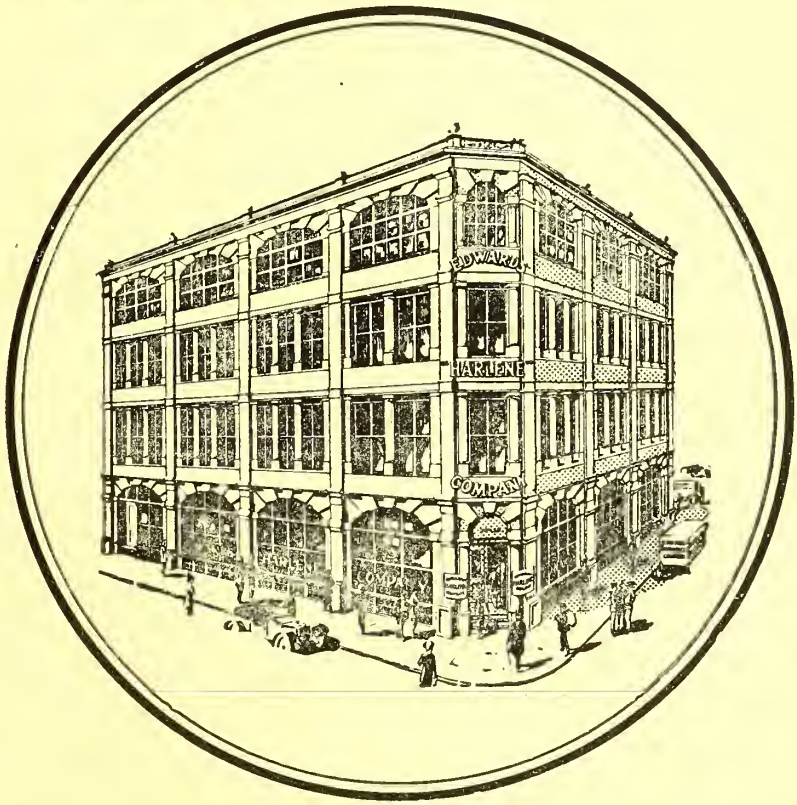
ARDWICK CORK DEPOT,
BRUNSWICK STREET, MANCHESTER, S.E.

BRITAIN'S MOST POPULAR TOILET EXERCISE

IS

"HARLENE HAIR-DRILL"

THE DEMAND FOR OUR GOODS GROWS DAILY, FOR THE PUBLIC INSIST ON THEM.



EVERY PAPER OF NOTE CARRIES OUR ADVTS.: HENCE THE PUBLIC DEMAND.

LARGE STOCKS ALWAYS IN HAND.

ALL ORDERS PROMPTLY ATTENDED TO.

1. HARLENE FOR THE HAIR.
2. CREMEX SHAMPOO POWDERS.
3. ASTOL FOR GREY HAIR.
4. ASTINE VANISHING CREAM.
5. UZON BRILLIANTINE.
6. ASTINOL AROMATIC FLUID EXTRACT.

PLACE YOUR ORDERS NOW.

NOTE.—Edwards' Solidified Harlene (specially convenient for Travellers and Service Men), should be stocked by you. One standard size only, in tins, **2/9**. Minimum wholesale price, **33/2** per dozen, less 20% discount.

"ASTINOL" AROMATIC FLUID EXTRACT (Pine Baths at Home) for which there is a large and ever-increasing demand, is sold to the public at **3/-** per bottle. Minimum wholesale price, **36/-** per dozen, less 20% discount.

EDWARDS' HARLENE CO.,

20-26 LAMB'S CONDUIT STREET - LONDON, W.C.

The "MILNER"

STRAW HAT CLEANER

Sells well everywhere, 2d.

It is easily used and gives complete satisfaction.

6 doz. 7/- net.
12 „ 13/- „
With specimen hat or 6 packets instead.
Carriage Paid.

2 gross, 2½ %. 5 gross, 5 %
10 gross, 7½ %.
13 to doz. for cash with order.

RAILOX for NITS

Per Packet, 2d. and 6d.

A NEW INVENTION. USED DRY.
Wonderfully Effective. Non-poisonous.
Cannot be seen on the hair.

Specially suitable for Export ; cannot break, melt, or lose its strength.

3 doz. 4/-, 6 doz. 7/-, 12 doz. 13/- net,
1d. size 4/- per doz.

Reg. Trade Mark.

ATTRACTIVE ADVERTISING MATTER includes a Model Kennel, or 6 Packets instead. Carr. paid. 13 to doz. for cash with order.

Railox and Milner Cleaner may be assorted for discount.

MILNER'S CHEMICAL CO., LIVERPOOL.

GRANT'S

BUTTERMILK BALL SOAP

THE SOAP THAT SELLS AT SIGHT.

Additional plant has now been installed, and full orders are, therefore, respectfully invited.

Splendid Show Material

F. SCHUTZE & Co.
LIMITED,
Manufacturers and Perfumers,
LONDON, N.

MAGNUS, MABEE & REYNARD, Inc.

257 Pearl Street,
New York City, U.S.A.

Cable Address—"MAGLAUR."

Importers and Manufacturers.

ESSENTIAL OILS, VANILLA BEANS, DRUGS & CHEMICALS.

We offer for sale—

Oil Peppermint, American
„ Spearmint
„ Birch (Wintergreen)
„ Wintergreen Leaf
„ Cedarwood
„ Limes, Distilled
„ „ H. P.

Oil Sassafras, Natural
„ „ Artificial
„ Wormseed, Baltimore
„ Wormwood, American
„ Sandalwood, W.I.
Balsam Tolu
„ Copaiba
„ Peru

We solicit correspondence relating to the purchase or sale of any article used in the Drug, Perfumery or Soap Trades.

Terpineol

FOR

SOAP MAKERS and PURIFIED

Societa Profumi Sintetici,
Naples-Poggioreale, Italy.

Telegrams :
"SOPROSI, NAPLES."

WRITE FOR GRATIS SAMPLES.

PETROLEUM JELLIES.

B.P. 1914, all technical qualities.

WHITE ORANGE
YELLOW LEMON

WHITE OILS.

Half-White and Coloured Oils.

Yellow, Green, Red, etc.

For Brilliantines and Manufactures.

S.G. ·840 — 0·890.

STERN SONNEBORN OIL CO., LTD. 51 Royal London House, Finsbury Sq., London, E.C. Works—Burdett Oil Works, Stepney, London, E.

The Best Paying 1d. Line is

SOFTO

FOR CHAPPED HANDS.

WHOLESALE PRICES.

		s.	d.
1 gross "Softo" with 4 doz. bonus	- - -	6	0
½ gross " " 1½ doz. "	- -	3	0
3 doz. " " 1 doz. "	- - -	1	9

A Chemist writes: "Please send our goods immediately, as the 1 doz. 'Softo' was cleared in a day."

The SOFTO Manufacturing Co.
33 Edgware Road, Park Lane, W.

THERE ARE OTHER GOLD PAINTS, BUT ONLY ONE
"GLOSSOLAR,"
THE FINEST GOLD PAINT ON THE MARKET.

MIXED. REGD. Glossolar BRITISH MADE UNMIXED.

The New Patent LID-ON COVER. Adjustable to any size Cup or Jug.
Particulars of above lines on application to
J. DAVIES & CO., 43 BASINGHALL ST., LONDON, E.C.

DO YOU BUY ESS. VANILLA?

Try VANOLEUM

Stronger than Vanilline. Soluble in Water.

26/- lb.

ARTHUR WHITTAKER,
Specialist in Colours and Flavours,
NEWTON HEATH, MANCHESTER

Eucryl in your Window Proves You To Be a Chemist of Discernment—100% Profit and the Right Article

The discriminating public like to see their favourite Dentifrice well shown. It proves to them that the Chemist knows his business. For the sake of your customers and those new ones you wish to attract, display

EUCRYL

ON THE P.A.T.A.

in your window. It will earn for you also 100% profit—a profit that you do not make on many proprietary lines. You can assure your customer that Eucryl is

BRITISH ALL THROUGH

Study the attached profit scheme, and then send your order.

EUCRYL LIMITED

61-63 LANT STREET, SOUTHWARK, S.E.

ORDER COUPON

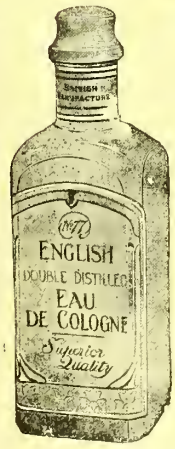
To EUCRYL LIMITED,
61-63 LANT STREET,
SOUTHWARK, S.E.

Please send 6 dozen 6d. tins Eucryl Tooth Powder, at 3/6 dozen net, **carriage paid,** together with 2 dozen 6d. tins extra and free of charge as bonus, for which I enclose remittance value 21/-

C. & D., Mar. 25. 1916.

No. 77

BRITISH Eau de Cologne



In Square Bottles

2 oz.	...	10/6 doz.
4 ,,	...	20/- ,,
8 ,,	...	39/6 ,,

In Wickered Bottles

½ pint	...	34/6 doz.
1 ,,	...	65/- ,,
2 ,,	...	122/- ,,

Write for Samples. Showcards supplied.

MANUFACTURED ONLY BY

WILLIAM TOOGOOD, Ltd.,

77 Southwark Street, London, S.E.

IMPORTANT NOTICE

CROSBY'S

BALSAMIC COUGH ELIXIR

Dr. ROOKE'S SOLAR ELIXIR

Dr. ROOKE'S

ORIENTAL PILLS

In view of the extensive demand created for these products by our new advertising campaign, and in order that your customers shall secure these articles in their best possible condition, the Proprietors give notice that they are willing to exchange any old or soiled stock for new stock.

The **NEW PRICES** are as follows:—

Size	1/3	3/-	5/-	12/-
Minimum Retail Price	**1/2**	**2/11**	**4/10**	**11/6**
Wholesale (per dozen)	**11/8**	**29/6**	**48/-**	**117/6**

Discount.—10 per cent. on parcels of £5 and upwards, cash at 14 days (otherwise strictly net).

Packages.—Free. Carriage paid on £5 parcels.

DR. CHARLES ROOKE, LIMITED, LEEDS.

POWDER

WEED KILLER.

Packed in small decorated tins. Immediately soluble in cold water.

All Tins Free. No return Empties. SPECIALLY ADAPTED FOR EXPORT.

Have now a large sale through CHEMISTS, and early application should be made for illustrated Counter Bills & Showcards

Awarded Gold Medal Anglo-American Exhibition. Commended by Royal Horticultural Society.

LIQUID WEED KILLER.

Strength: 1 gall. sufficient for 25 galls. of Water.

AND DOUBLE STRENGTH.

ARSENITE OF SODA, 80%

ARSENATE OF LEAD.

QUASSIA CHIPS.

The Acme Chemical Company, Ltd.

TONBRIDGE, KENT.

And RIVER STREET, BOLTON, LANCASHIRE.

BIRMINGHAM & MIDLAND

COLLEGE OF CHEMISTRY, PHARMACY AND BOTANY,

45 NEWHALL STREET, BIRMINGHAM

Principal—C. L. SCOTT, Pharmaceutical Chemist.

FULL-TIME, AFTERNOON & EVENING CLASSES.

THOROUGH UP-TO-DATE & RAPID TUITION.

Full Particulars on Application.

A new four-page pamphlet on the training and demand for

LADY DISPENSERS

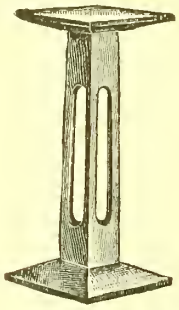
is published by

ELT'S COLLEGE, NORTH FINCHLEY, N.

Marked effect on sales——

No comment of ours is needed upon the following letter just received; it speaks for itself:

"I enclose cheque for account due for fittings supplied. The goods, now fixed, have produced a marked effect on sales, due to window display, and I regard the improvement as one of the best investments from a trade point of view."



Our latest leaflet, describing a number of the arrangements that can be made by our open display methods, sent post free.

Saml. **HASKINS** & Bros. Ltd.

SHOPFITTERS, ESTAB 1784.
20-34 OLD ST., LONDON, E.C.

The Northern College of Pharmacy

100/102 BURLINGTON ST., MANCHESTER, S.W.

TELEPHONE: CITY 7698.

Principal: E. GOWER BRYANT, F.C.S.

The new Minor Course will commence on April 3.

TUITION FOR LADIES.

Special arrangements are made for lady students. Forthcoming courses for the Apothecaries' Hall Examination will commence April 27 and August 14.

Illustrated Prospectus of either Course post free on application.

AN EXCELLENT OPPORTUNITY FOR WOMEN.

British Optical Institute, Limited

FERN LODGE, 20a GROVE ROAD, BRIXTON, S.W.

TECHNICAL INSTRUCTION IN OPTICS.

Day and Evening Classes during Term time, in preparation for all Optical Examinations, under the supervision of the Principal, assisted by Mr. H. Firth, F.B.O.A., F.S.M.C. (1st Prizeman). Well thought-out and successful Postal Courses for Provincial, Colonial and Foreign Students.

CLINIC, EXPERIMENTAL & LABORATORY WORK.

As Women are now needed in the Optical Profession to replace men called up on active service, special short Courses of Study, with abundant opportunities for practical work, are being held continuously at the Institute to fit women for an occupation so eminently suited to their capacities.

For further particulars and fully detailed Prospectus, apply to the **Principal, Dr. MAX COQUE, B.Sc.** (Telephone: Brixton 677.)

CHEMISTS' SHOPFITTINGS.

WANTED.—Every Chemist requiring Shopfittings to send for my Estimate; you *can't* do better. I shall be pleased to send you rough sketches free on receipt of particulars. Over 30 years' experience.

Glass Showcases, Drugfittings, Dispensing Screens, Window Enclosures, Glass Shelves, Wall Cases, Perfume Cases, Plate Glass Front Counters, Drawers, &c., at lowest prices.

NOTE ADDRESS—

GEORGE COOK,

The Chemists' Working Shopfitter,

CATHERINE ST., CITY RD., LONDON, E.C.

THE WAR OFFICE HAS AUTHORISED the use of

"VERMIJELLI"

by the Troops, after very exhaustive investigation by the R.A.M.C., on the relative values of Vermicidal substances.

NON-POISONOUS. NON-INFLAMMABLE. MIXES WITH WATER.

The efficacious preventative and remedy for Lice, Fleas and other vermin.

Wholesale from *Sole Manufacturers:*—

S. BOWLEY & SON, Wellington Works, Battersea Bridge, London, S.W.

Prices: 1 lb. Tins ... 1/- each ... ... 1/5 each } Post paid in U.K.
2 lb. ,, ... 6/9 ,, ... 7/9 ,,
Collapsible Tubes 9d. ,, ... 1/1 ,,

"RODINE" TRIUMPHS

A GAMEKEEPER : Mr. G. R. Brown, Dunglass, writes :—"I am glad to say that after many years' trial I find 'Rodine' as good as ever, and I know nothing to equal it as a rat-killer."

A CHEMIST : Mr. Toohig, M.P.S., Narberth, writes :—"In spite of all imitations and competitors, you will be pleased to know that your valuable rat poison, 'Rodine,' holds its own absolutely."

Write for Agency to the Maker

HARLEY

Manufacturing Chemist.

PERTH, SCOTLAND.

Export Agents—

Tozer, Kemsley & Fisher, Ltd.
84 Fenchurch St., London, E.C.

DANYSZ VIRUS

Is on the P.A.T.A. LIST.

Retail Prices
2/- Per Single Tube
5/- For Three Tubes

LEAVE YOU A **PROFIT of 75% and 50%** RESPECTIVELY.

LIQUID VIRUS for large applications at 6/- per quart bottle, making about 5 lb. of bait.

SHOWCARDS.—Dummy Boxes, Clockwork Cats for Window Display, Circulars, Postcards, &c., on application.

Through your Wholesale House, or direct from

DANYSZ VIRUS, LTD.,
(Dept. G A), 52 Leadenhall Street, LONDON, E.C.

By Royal Warrant

To H.M. King George V. To H.M. Queen Alexandra.

HOLDERS OF ROYAL WARRANTS DURING THREE SUCCESSIVE REIGNS

Jeyes' Fluid

Best and Safest Disinfectant.

JEYES' PARASITIC SOAP

(In metal boxes 2/6 per doz.)

For destroying all body parasites in the trenches.

JEYES' CYLLIN SOAP

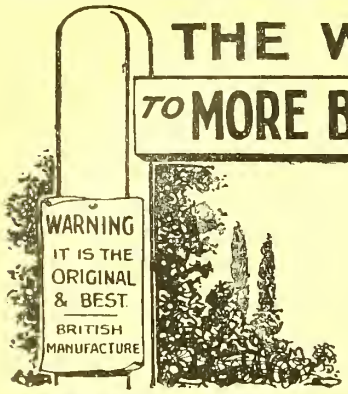
(In 12 tab. boxes, 2/6.)

Invaluable as a cleanser and purifier of the skin.

Jeysol

Identical in composition with original German Lysol, and equally efficient.

Jeyes' Sanitary Compounds Co., Ltd., 64 Cannon Street, London, E.C.



THE WAY TO MORE BUSINESS

Henna Shampoo
Dr. Evan Williams'

Handle the original Henna Shampoo—a class product valued by Ladies everywhere. Sell's freely at a substantial profit. Illustrated list on application. Order direct or through your wholesaler, but specify "Dr. Evan Williams."

United Kingdom Agents: 289 Oxford Street, London, W.
Australian Agents: R. G. T. & Son, Finks Buildings, Melbourne.

RUBWEL OINTMENT

Advanced Prices.
Profit not Reduced, and still 80%

The heavy increased cost of materials, tins, labour, etc., compel the Rubwel Co. to advance their prices as follows:—

	Per gross		Per gross.		Per gross.
Small or **3d.** size previously **2d.**) ...	**24/-**	Medium or **7d.** size (previously **6d.**) ...	**54/-**	Large or **1/1** size (previously **1/-**) ...	**96/-**

Net Cash 30 Days. Carriage Paid. The profit on Window-show Orders is still 80 per cent.

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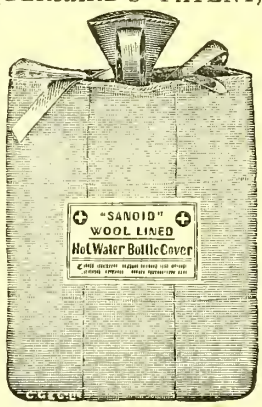

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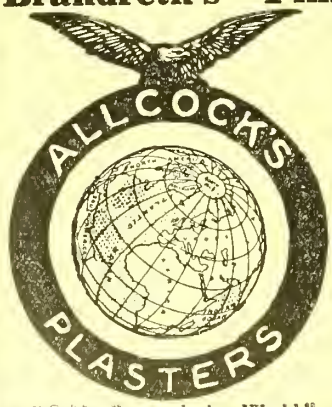

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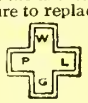

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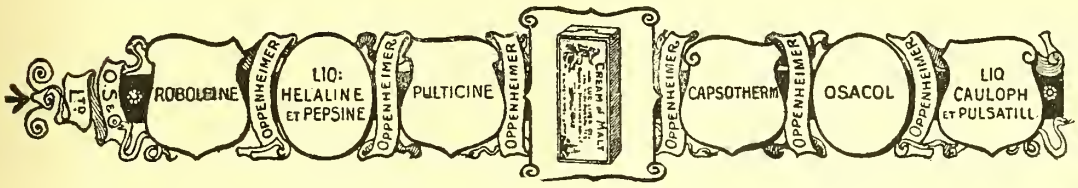

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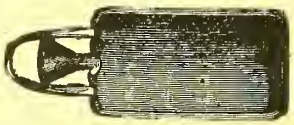

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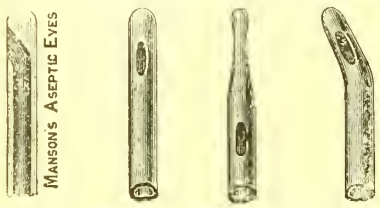

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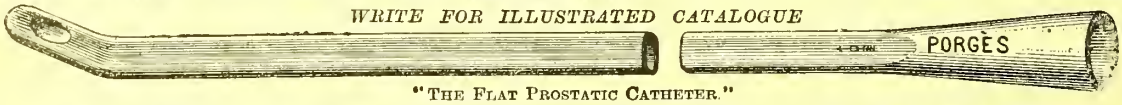

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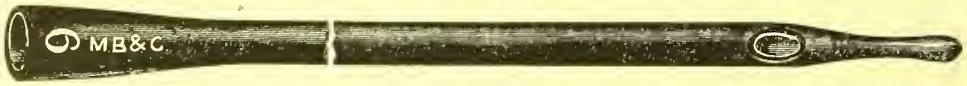

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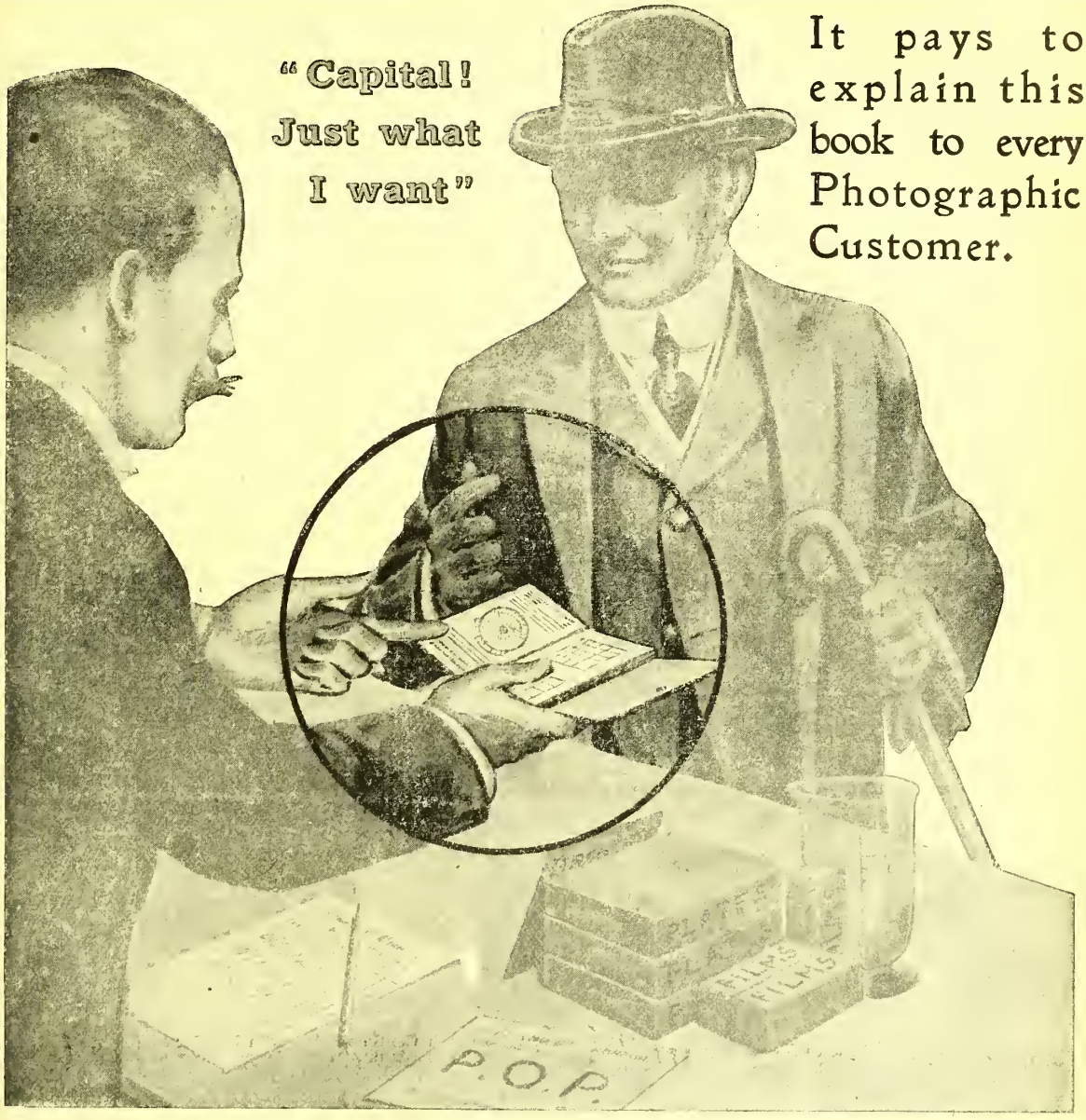

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the tin is unique in design, and is in tobacco brown with the Smoker's Tooth Powder and Paste in white relief shaded off in black. Along with same is illustrated the paraphernalia dear to a Smoker's heart. The carton for the Cream sympathises. In short, they appeal to SMOKERS.

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the contents are not ordinary Tooth Powder and Paste—these are little or no good for smoker's teeth or mouth hygiene—but "T.M." is made from a formulæ that cleanses smoker's teeth, neutralises the mouth, hardens the gums and renders the entire mouth and throat thoroughly antiseptic for many hours after each application. These are the qualifications that ensure repeats.

THIRDLY,

their virtues are advertised in proved pulling media, such as "John Bull," "Passing Show," "London Opinion," and other equally influential periodicals, in which the public are told to "go to your chemist," and we give with all orders good strong window and display material, which when shown crystallises the desire to purchase created by the Press Publicity.

FOURTHLY,

a margin of 100% on the "T.M." Smoker's Tooth Powder, and a return of 71% on the "T.M." Smoker's Tooth Paste is admittedly extraordinarily generous on so heavily advertised a line, and the fact that the sales leap ever upward, almost make "T.M." a line one can hardly afford to miss.

"T.M." Powder is only 2/3 per dozen, P.A.T.A. 4½d. Advertised at 6d per tin.

T.M." Cream in 4½ x 1 tubes is only 7/- per dozen. ½ dozen free with 3 dozen. Advertised and on P.A.T.A. at 1/- per tube.

Thus you will see why it is SO easy to sell. Try, and be convinced.

ON COST 100% ON COST

ON COST 71% ON COST

THUS YOU CAN SEE HOW EASY IT IS TO SELL "T.M." PREPARATIONS

CHRISTY,
OLD SWAN LANE,
LONDON.

THE CHEMIST AND DRUGGIST

A Weekly Journal of Pharmacy and of the Chemical and Drug Trades
ESTABLISHED 1859.

The CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official Journal of eighteen Chemists' Societies in Australia, Ireland, New Zealand, South Africa, and the West Indies.

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Prohibited Exports.

Netherlands.—The exportation of cork and sulphur is prohibited by Royal Decree of March 4. The prohibition of the exportation of oxalic acid has been provisionally revoked.

Sweden.—Orange and lemon peels, pepper, and molybdenum have been placed on the list of prohibited exports.

United Kingdom.—An Order in Council (March 16) notifies the following additions and amendments to the list of prohibited exports:

To all destinations—Cane and beet sugar, unrefined or refined, including candy; acetic acid; cinematograph-films; ferro-molybdenum; ferro-silicon; ferro-tungsten; photographic sensitive films, plates, and printing-paper, whether exposed or not; platinum, salts of; radium; tungsten.

To all destinations abroad other than British Possessions and Protectorates—Clinical thermometers; surgical instruments; *x*-ray apparatus.

To all foreign countries in Europe and on the Mediterranean and Black Seas, other than France, Russia (except through Baltic ports), Italy, Spain, and Portugal—Absinthe; chemicals, the following: Barium sulphate; calcium sulphate; iron sulphates; sodium sulphate and bisulphate (including nitre cake); strontium sulphate; glucose and malt sugar; salt, rock and white, except table-salt.

Pharmaceutical Committee Elections.—Draft regulations proposed to be made by the National Health Insurance Commissioners have been issued, extending the period of office of the present members of the Panel and Pharmaceutical Committees. Provision is made for those cases where one-third of the members of a Committee desire to ascertain the wishes of the electors on the question of the extension of the term of office of the Committee.

European War.

A Year Ago To-day.

(*War News from the "C. & D.," March 27, 1915.*)

The dependence of war upon the maintenance of an adequate supply of chemical products was the subject of an editorial article, the importance of glycerin and sulphuric acid being especially emphasised. We dealt also with the question of bromine and potash, and possible sources of potash were indicated. The hearing was reported of an application by Poulenc Frères to use Meister, Lucius & Brüning's patent for the remedy known as "418." Among other war items were notes regarding the formation in Germany of a nitrogen monopoly, and of a systematic boycott of the products of the Allies in that country.

Pharmaceutical Roll of Honour.

Non sibi sed patriæ.—Cicero.

Seventy-ninth List.

Donald, James P., chemist and druggist (formerly with Mr. A. K. Stewart, Edinburgh, and Allen & Hanburys, Ltd.), London Scottish.

Galloway, Private Archibald (apprenticed with Mr. D. Dunnet, pharmacist, Falkirk, and recently with Mr. A. F. Dawson, Edinburgh), 9th Royal Scots.

Hopkinson, H. G. (son of Mr. H. Hopkinson, chemist and druggist, Grantham), Inns of Court O.T.C.

Miller, Leslie A., London Scottish, and Montague A., German East Forces (sons of Mr. C. B. Miller, chemist, Graaff-Reinet, Cape Province).

Miscellaneous.

Belgian Doctors' and Pharmacists' Relief Fund.—The following subscription has been received during the past week: Chesterfield Pharmacists' Association, per J. H. Toplis, 5*l.* 5*s.*

Enemy Patents.—The Board of Trade has granted licences to British Dyes, Ltd., to use patents 18569/02 and 26132/02, belonging to the Farbenfabriken vorm. F. Bayer & Co.; 2918/09, belonging to Haas; and 9689/09, 14143/09, 18822/09, 22138/10, 27051/10, and 489/11, belonging to Leopold Cassella & Co.

The Sugar-supply.—Mr. McKenna states that any apprehension of increasing shortage of sugar is ill-founded. There is no reason at present to anticipate that supplies in general in 1916 will fall below those available in 1915 by more than 25 per cent., the reduction being consequent upon the shortage of tonnage.

Import-prohibition.—"Spirits and strong waters of all kinds except brandy and rum" is an item in the list of articles which by Proclamation are prohibited from being imported into the United Kingdom. This includes perfumed spirits and toilet-articles containing spirit. It is also rumoured that the importation of soap is to be prohibited.

Official Badges.—The Badge Department of the Ministry of Munitions has been transferred from 29 Abingdon Street, London, S.W., to 4 Whitehall Gardens, S.W. Personal inquiries should be made at the latter address, but correspondence should be addressed to the General Secretary, Ministry of Munitions, 6 Whitehall Gardens, S.W., and marked "Badge Department."

Controller of Imports.—Sir W. Guy Granet has been appointed to act in an honorary capacity as Controller of a new Department, to be called the Department of Import Restrictions, which will deal with all questions relating to all classes of import restrictions imposed as war measures, except those affecting sugar and paper-making materials. All communications should be addressed to the Controller, 64 Victoria Street, London, S.W.

Enemy Traders.—A further list of enemy businesses that are to be wound up by order of the Board of Trade includes the Bronzefarbenwerke A.G. vorm. Carl Schlenk, 14 Aldersgate Street, London, E.C., aluminium and bronze-powder manufacturers, and the Allolit Co. and Otto Rosentiel, 4 Charles Street, Hatton Garden, London, E.C., agents for the sale of aluminium foil.—A supplement to the "London Gazette" (March 16) contains an addition of sixty-seven names to the list of persons and firms in foreign countries with whom persons in the United Kingdom are forbidden to trade. Persia has the highest number of firms black-listed—namely, fifty-seven, including the Farbwerke vorm. Meister, Lucius & Brüning, Ispahan—and the remainder are made up as follows: Argentine Republic, 3; Morocco, 1; Netherlands, 1; Portuguese East Africa, 4; and Sweden, 1.

Military Tribunals' Decisions.

The following are some of the cases of trade interest that have been reported to us since our last issue:

Aldershot.—The application for a certificate of exemption by John Cannon, employed by Boots, Ltd., was refused. It was stated that there are four qualified chemists at the Aldershot shop, and the Chairman of the Tribunal remarked that one man could do all the work there is to do under the National Insurance Act.

Alford.—Exemption for six months was granted to a chemist's assistant named Fred. W. Kemp.

Aylesbury.—Mr. F. J. Janes, chemist and druggist, appealed for exemption for Alfred Wanstall, his assistant, who is a dispenser under the National Insurance Act. He is also sitting for his Qualifying examination next winter. Two months' exemption was granted.—Boots, Ltd., applied on behalf of F. G. Burnell, porter and general assistant, who was stated to be indispensable. Six months' exemption was granted.

Barnstaple.—On March 15, exemption was refused to W. D. Brackenbury, pharmaceutical student, incapable of sustained exertion, who has a mother partly dependent upon him.

Biddulph.—On March 17, three months' exemption was granted to a chemists' assistant who is engaged in Insurance dispensing.

Boston.—An apprentice to a Swineshead chemist was refused exemption. It was stated that his employer had been invalided out of the Army.

Brentwood.—Mr. H. F. Hodgson, Ph.C., was granted exemption as being indispensable on account of his dispensing-work under the National Insurance Act.

Buxton.—Exemption for two months was granted to a chemist who has a brother with him in business. A chemist's apprentice in another case was granted exemption until the completion of his indentures in August.

Camden (Glos.).—Exemption was granted to a chemist and bank agent who dispenses under the National Insurance Act.

Canterbury.—Conditional exemption was granted to Mr. M. H. Roots, chemist and druggist, who is with E. Bing & Son. Three other assistants have joined the Forces, and applicant is the only assistant remaining.

Chatham.—Three months' exemption was granted to Mr. W. G. Mason, assistant with Beveridge & Co., who dispenses under the National Insurance Act.

Chiswick.—A chemist, with shops at Turnham Green Terrace and Devonshire Road, applied for exemption for his son, who is a dispenser under the National Insurance Act and manages the two shops. The appeal was rejected on the grounds that the Tribunal was not satisfied that the son is in a certified occupation and that other arrangements could not be made.

Chobham.—Mr. E. Moss, chemist and druggist, West Byfleet, applied for exemption for his assistant, who dispenses for a military hospital and for insured persons. Three months' exemption was granted.

Crediton.—Exemption was granted to Frederic Noel Smallman, chemist and druggist, employed by Mr. E. E. Jackson, medicated-lozenge manufacturer, on the ground that he is indispensable.

Cuckfield.—Exemption was granted to a chemist who has been rejected as medically unfit, and who is the only support of his mother.

Diss.—A chemist, who appeared for two assistants, said he was the only certified dispenser in the town. One assistant, who has knee-trouble, does all the clerical work, and the other is married and is practically indispensable, as there are two shops. One assistant was exempted and the other granted a month's postponement.

Dundee.—Mr. A. M. Forsyth, son of Mr. John Forsyth, chemist and druggist, was granted one month's exemption.—One month's exemption was granted to John Ross, employed by W. Doig & Sons, chemists. Ex-Bailie Doig stated that he had been unable to obtain a single applicant for a recent vacancy.

Durham.—Temporary exemption was refused for a chemist's porter and warehouseman who has charge of drugs dispensed under the National Insurance Act.

East Grinstead.—A chemist applied for exemption for his assistant, and also for his son, a qualified chemist. In regard to the assistant, it was stated that he is indispensable, as he is fully conversant with both the East Grinstead and Haywards Heath businesses. Applicant has only two men in his High Street shop, instead of five whom he had before the war. The firm carries on the largest National Insurance business in Sussex, and if the son is taken it will not be possible to dispense for the military or to fulfil the contract for the National Insurance work. Exemption was refused in regard to the assistant, but granted in the case of the son.

Eton.—Mr. J. R. Jewson, Ph.C., Gerrard's Cross, was granted six months' exemption on the ground that he is engaged in a certified occupation.

Falkirk.—A panel chemist attended in support of applications by two assistants, and explained that the work is such that it is necessary that the service of these assistants should be retained. One application was dismissed and the other postponed for three months.

Folkestone.—Conditional exemption was granted to Mr. Charles J. Jephcott, chemist and druggist, in charge of the Sandgate Road shop of the Timothy White Co., Ltd.—Mr. Leonard Ransford, chemist and druggist, in charge of the South-Eastern Pharmacy (Ransford & Cunningham), 36 Sandgate Road, was granted six months' exemption. Mr. Cunningham, it was stated, is in France, engaged in Red Cross work.

Gainsborough.—An unqualified assistant with Boots, Ltd., applied for exemption, and as the company is appealing for him at Nottingham, his papers were forwarded there.

Gillingham (Kent).—Mr. Robert S. Hardie, chemist and druggist, with Beveridge & Co., was granted two months' exemption.

Glossop.—Boots, Ltd., applied for exemption for Clarence W. Hudson, one of their assistants, on the ground that he is engaged in a certified occupation. Exemption was refused.

Grantham.—Archibald H. G. Bottis, patent-medicine vendor, applied for exemption on the ground of ill-health, and that he is employed in a certified occupation. He stated that he had been rejected twice as medically unfit. The application was deferred.

Hereford.—Exemption for a month was granted to Mr. W. R. Parks, chemist and druggist, manager of the business of Mrs. E. J. Smith, Bromyard.

Honiton.—A chemist and druggist was refused exemption for his son, who is a photographer, and is partly engaged in dispensing Insurance prescriptions. The Military Representative said that the fact that the son is engaged in a photographic business on his own account shows that he is not indispensable.

Huntingdon.—A panel chemist who claimed that his firm at two establishments do four-fifths of the Insurance dispensing in the town was granted three months' exemption. The Clerk of the Insurance Committee supported the application. Applicant's partner is in poor health.

Ilfracombe.—An application for exemption for John Lee, assistant with Mr. W. J. Moon, chemist and druggist, was refused, although he is a dispenser under the National Insurance Act.

Kingston.—On March 18, a chemist applied for exemption for his assistant, who dispenses at the Kingston and Surbiton Homœopathic Dispensary and for insured persons under the National Insurance Act. Exemption was granted until May 31.

Leamington.—Exemption was refused for a chemist's assistant who dispenses under the National Insurance Act. The firm has already had to give up Insurance dispensing at one branch owing to inability to obtain assistants.

Lincoln.—A patent-medicine proprietor obtained a month's exemption. He appealed for exemption on the ground that if he confided his secret to anyone else he would be ruined.

Llandrindod.—Mr. R. H. Evans, chemist and druggist, applied for exemption for his apprentice, Thos. Elfet Hughes, who is the only employé left. Twelve weeks' exemption was granted.

London.—At the Appeal Tribunal on March 18 the decision of the local Tribunal was confirmed that a chemist claiming exemption as being engaged in a certified occupation must show that he is also indispensable.

Minehead.—On March 17, Mr. Harold Barlow was granted conditional exemption for six months. Application was made on his behalf by Mr. H. Wippell Gadd, B.L.

Newmarket.—On March 14, conditional exemption was granted to a chemist's manager who dispenses under the National Insurance Act.

Newport (I. of W.).—Conditional exemption was granted to P. C. Haddon, an assistant with the Timothy White Co., Ltd. It was stated that 200 employés of the company have enlisted, that in many cases part salaries are being paid, and in all cases the situations are being kept open.

Oldham.—Conditional exemption was granted to a panel chemist who would have to close his business if he were taken for military service.

Pembroke.—Mr. W. M. Lewis, chemist and druggist, was exempted from military service on the ground that he is engaged in a certified trade. Five of his men have enlisted.

Peterborough.—Six months' exemption was granted in each of two cases of qualified chemists and one case of an assistant, all being dispensers under the National Insurance Act. Addressing one of the chemists, the Chairman said it was a pity he was not born five days earlier, then he would not have had to apply for exemption.

Ramsbottom.—An assistant to a chemist and sub-postmaster was granted exemption until June 1.

Reading.—Three months' exemption was granted in the case of an assistant with J. Cross & Co., chemists, Oxford Road. It was explained that if the assistant were taken away it would be almost impossible to carry out contracts for Insurance dispensing.

Richmond.—Mr. P. E. Lloyd, Ph.C., was granted exemption on the ground that he is employed as a dispenser under the National Insurance Act.

Runcorn.—Two months' exemption was granted to a chemist's assistant engaged in the certified occupation of an Insurance dispenser.

Salisbury.—A qualified chemist on the panel and manager of a branch pharmacy was conditionally exempted.

Shrewsbury.—A chemist with two pharmacies was granted conditional exemption for himself and his manager. An assistant was granted six months' exemption, but exemption was refused in the case of another assistant.

Southport.—Mr. S. Charles Richards, chemist and druggist, director of G. Ball, Ltd., chemists, Lord Street, Southport, appealed at the County Appeal Tribunal at Liverpool on March 20 for the exemption of his son. He had been granted temporary exemption (see *C. & D.*, March 4, p. 35). At the hearing at Southport there was a good deal of feeling shown by the Mayor (a member of the Tribunal), who is a brother of Mr. G. Ball. The Military Representative said the company does not dispense under the National Insurance Act. The appeal was dismissed.

Southwark.—W. W. Flood & Co., manufacturing chemists, 56 Great Dover Street, S.E., applied for the exemption of Mr. W. J. Townsend, head attendant in the analytical laboratory, who is lame and has to use a stick. Applicant stated that the laboratory is specially fitted up to meet his physical condition, as he has to sit down frequently for an hour at a time with his foot in cold water. The infirmity was due to a football accident received fourteen years ago. When he attested before the Army doctor at Whitehall in November it was suggested he should be sent to the laboratories connected with the R.A.M.C., but there were no vacancies. The applicant was exempted as being in a certified occupation, a member of the Tribunal remarking that the case was a disgrace to the doctor who passed it.—Mr. Wylde, on behalf of Thomas Keating, manufacturing chemist, Union Street, Borough, S.E., applied for the exemption of an export or shipping clerk who will be nineteen years old in July. Exemption was granted till the end of July.—Stevenson & Howell, Ltd., manufacturing chemists, Southwark Street, S.E., applied for the exemption of a mechanic engaged in the repair of machinery. It was stated that fifty-four employés have enlisted and thirty have attested, those who have enlisted receiving half-pay. Three months' extension was granted, a member of the Tribunal remarking that the company have treated their men splendidly.—Boots, Ltd., applied for exemption for a motor-van driver. He was exempted as being in a reserved occupation.—Mr. Vincent Wood, surgical-instrument maker, 91 Newington Causeway, S.E., in applying for the exemption of his son and a surgical-appliance maker, stated that he had two sons at the Front, three daughters undertaking Red Cross work, while his wife is in charge of a Red Cross tent. Both cases were exempted as being in certified occupations.

Spalding.—Exemption was refused to an Insurance dispenser employed by Boots, Ltd. The decision is to be communicated to the Nottingham Tribunal, where, it was intimated, application for exemption is also being made.

Stourbridge.—R. W. Orford, an apprentice with Boots, Ltd., engaged in Insurance dispensing, and who wishes to sit for his Qualifying examination in June, was refused exemption.

Swindon.—Two months' exemption was granted to a chemist who is on the Insurance panel.

Uttoxeter.—A chemist and Insurance dispenser, not at present in employment, was refused exemption, and said he should appeal against the decision.

Watton.—A chemist's assistant, who is also an Insurance dispenser, was on March 16 refused exemption.

Woking.—Mr. John Wearing, chemist and druggist, applied for exemption for his assistant, who dispenses under the National Insurance Act. The assistant is willing to enlist, but Mr. Wearing is unable to obtain a substitute. Three months' exemption was granted.

English and Welsh News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Birmingham.

A systematic collection of disused bottles and waste paper is being established in the city.

Mr. Eley, dispenser at the Dudley Road Infirmary, has retired through ill-health and is to receive a pension of 77*l.* 2*s.* 8*d.* per annum.

A Council-meeting of the local Association was held on March 20 at 3 New Street, the offices of the Birmingham Pharmaceutical Committee.

At an auction-sale on March 21 some properties in the shopping-centre of Coventry were offered. No. 9 Broadgate, let at 250*l.* per annum to Boots, Ltd., was bought by Sir Jesse Boot for 5,000*l.*

The following is an up-to-date suggestion made in a local paper: "Please shop early, in view of the subdued lighting; carry your own parcels, in view of scarcity of errand-boys; and bring your paper with you for packing the goods."

Liverpool.

"Sanaphos" fills the window of the Manor Pharmacy, (Mr. J. Hargreaves), Great Crosby.

Mr. John H. Robinson has been appointed Secretary for the Liverpool central area of the Proprietary Articles Trade Association.

Many pharmacists have been put to great expense for blinds, in order to comply with the darkening order. By inserting in the centre of the blinds the word "Open" in cut-out letters a little business can still be cultivated in the evenings.

Sheffield.

Mr. A. E. Pughe, chemist and druggist, the Mona Pharmacy, Llanfairfechan, has taken over the management for the Staniforth Pharmacy, Ltd., of the branch at Darnall, Sheffield.

Mr. Francis John Berriman, chemist and druggist, New Brighton, has been appointed manager of the business carried on by the executors of the late Mr. Joseph Watts, Attercliffe, Sheffield.

Mr. Rowland Dixon, Ph.C., usually makes the most of his fine position at Endcliffe. At the present time he devotes one window to cod-liver oil and malt extract in various forms, and the other window has in it a fine display of hot-water bottles.

Some dissatisfaction has been felt by panel chemists at not receiving their balance of Insurance-dispensing accounts rendered, according to the promise under the new contract. Every effort is being made, however, to comply with the time-table for payments.

A gas inspector, named Benjamin Pashley, has died from anthrax, contracted from the bristles of a shaving-brush while shaving himself. At the inquest on March 17 a doctor said he knew of several cases of anthrax among soldiers three months ago due to infected shaving-brush bristles.

Several chemists who attested under the Derby scheme have received notice to join the Colours. The Local Military Representative in the district was notified, as recommended by the Pharmaceutical Society, and replies have been received stating that the Military Representative cannot take notice of personal letters, and referring the writers to the Clerk to the Tribunal for forms for exemption certificates. The Secretary of the Pharmaceutical Committee has issued a notice to those chemists whom the Joint Recruiting Committee have decided to recommend as indispensable. This does not apply to the staff of Boots, Ltd., on whose behalf the company is acting.

Drug Contracts.

The following tenders have been accepted by Boards of Guardians:

Chelmsford.—Corbyn, Stacey & Co., Ltd., drugs and dressings.

Cranbrook.—A. J. Gray & Son, Hawkhurst, medical appliances.

Great Yarmouth.—Mr. T. J. Woodcock, chemists' goods.

Greenwich.—Corbyn, Stacey & Co., Ltd., drugs; S. Maw, Son & Sons, surgical dressings and sundries; W. S. Rothband & Co., Manchester, water beds, etc.

High Wycombe.—Sanitas Co., Ltd., disinfectants.

Isle of Wight.—A. Millidge & Son, drugs; W. Vernon & Son, druggists' goods.

London.—The Lambeth Board of Guardians have decided to allow The British Drug Houses, Ltd., 74*l.* 4*s.* in respect of certain charges for drugs in excess of the contract rates, and to allow also to S. Maw, Son & Sons 47*l.* 16*s.* for druggists' sundries.—The British Drug Houses, Ltd., has notified the Southwark Board of Guardians that it is unable to tender for a six months' supply of drugs to the various institutions.

Mutford and Lothingland.—Mr. F. A. Hanworth, Oulton Broad, chemists' goods.

Nantwich.—Mr. W. Price, drugs.

Peterborough.—Bodger & Co., drugs.

Smallburgh.—Mr. W. H. Hurn, Norwich, drugs.

Thrapston.—Sturton & Son, Peterborough, drugs.

War Office Contracts.

The following were made during February: *Bisulphate-of-Soda Tablets:* W. B. Cartwright, Ltd., Rawdon, Leeds; Hough, Hoseason & Co., 51 Holland Street, Pendleton, Manchester. *Disinfectants:* A. Ashworth, Fernhill Works, Park Road, Bury; J. Bell, Hills & Lucas, Oxford Works, Tower Bridge Road, London, S.E.; Boake, Roberts & Co., Ltd., Carpenters' Road, Stratford, London, E.; Heppell & Co., 1 Eden Street, Hampstead Road, London, N.W. *Flycatchers:* Boot's Pure Drug Co., Ltd., Island Street, Nottingham; F. W. Hampshire & Co., Riverside Works, Derby; Kay Bros., Ltd., 82 Petersgate Mills, Stockport; J. Stonehouse, Ltd., Hucknall Road, Sherwood, Nottingham; Tunbridge & Wright, 32 Castle Street, Reading; Watson & Co., Cambridge Street, Tunbridge Wells. *Glycerin:* E. Brooksbank & Co., Ltd., Trafford Park Oil-works, Manchester; Mann & Cook, 65 West Street, Gravesend; C. Thomas & Bros., Ltd., Broad Plain, Bristol. *Medicines:* Allen & Hanburys, Ltd., Three Colts Lane, Bethnal Green, London, N.E.; Boot's Pure Drug Co., Ltd., Island Street, Nottingham; Burgoyne, Burbidges & Co., High Street South, East Ham, London, E.; Burroughs Wellcome & Co., Dartford, Kent; Duncan, Flockhart & Co., 104 Holyrood Road, Edinburgh; H. & T. Kirby & Co., Ltd., Newman House, Belton Road, Willesden Green, London, N.W.; Parke, Davis & Co., Beak Street, Regent Street, London, W.; Standard Tablet and Pill Co., Hove, Sussex. *Medical Panniers and Companions:* H. Finch, Pitt Street, Gloucester; Hunt & Co., Ltd., Progress Works, Hart Street, Southport; W. H. Sharp & Sons, Lowtown, Pudsey, Leeds; South London Basket-works (H. M. Potts), 172 Waterloo Road, London, S.E.; Stokes & Holt, Ltd., Belgrave Road, Leicester. *Surgical Instruments and Materials:* Baird & Tatlock (London), Ltd., 14 Cross Street, Hatton Garden, London, E.C.; J. Bell & Croyden, Ltd., 50 Wigmore Street, London, W.; A. Berton, Ltd., 15-17 Worship Street, London, E.C.; J. L. Hatrick & Co., Ltd., 70-72, St. John Street, London, E.C.; T. J. Smith & Nephew, Ltd., 5 Neptune Street, Hull; C. F. Thackray, Great George Street, Leeds; W. Vernon & Sons, North Road, Preston; Cuxson, Gerrard & Co., Ltd., Oldbury, Birmingham; Southall Bros. & Barclay, Ltd., Charford Mills, Saltley, Birmingham. *Thermometers:* A. C. Cossor & Son, 12 Clerkenwell Green, London, E.C.; Down Bros., Ltd., 21-23 St. Thomas's Street, London, S.E.; A. Lee & Co., 59-60 Hatton Garden, London, E.C.; Mayer & Meltzer, 71 Great Portland Street, London, W.; Porken, Son & Co., Ltd., 99 Hatton Garden, London, E.C.; C. F. Pizzala & Co., 388 City Road, London, E.C.; J. T. Powell & Co., 83 Clerkenwell Road, London, E.C.; G. H. Zeal, 82 Turnmill Street, London, E.C.

Active-service Exhibition.

The "Daily Mail" has organised an Active-service Exhibition on behalf of the British Red Cross Society, which is being held at the Prince's Skating Club and Knightsbridge Hall, London, S.W. The show is proving very popular, and has many attractions which bring the realistic side of the war home to the public. All the needs of the soldier on active service appear to be catered for, there being over one hundred exhibitors. Food and drink (in many varieties of portable forms), toilet-soaps and preparations constitute a large portion of the commercial exhibits, among the exhibitors of toilet-articles being Parke, Davis & Co., who give prominence to Euthymol tooth-paste, which is supplied in captive-cap tubes, particularly suitable for use on active service. The simple medicinal products include water-sterilising tablets (approved by the War Office), mentholated bronchial lozenges, capsolin (a solid liniment in captive-cap tube), emergency-cases, etc. Eucryl, Ltd., show their tooth-powder and dental cream, special ready-packed parcels of which can be obtained for sending to soldiers and sailors on active service. Other important lines are "Eucryl" antiseptic toilet-soap and "Lyeryl" antiseptic and disinfectant fluid. Casein, Ltd., have two stalls, at which Sanagen (to replace Sanatogen) is shown, also Seewa, a milk-food containing the active enzymes of milk *minus* casein and butterfat, indicated in serious cases of infantile diseases of the stomach, etc. Armour & Co., Ltd., show a very wide selection of their well-known food-products; their latest production, "Chymol," is also much in evidence, while the beef-beverage, "Vigoral," is being dispensed free of charge; tinned meats are, of course, the feature of the exhibit. Brand & Co., Ltd., have a full range of their invalid-specialities, including essence of beef, chicken, veal, mutton, etc. Plasmon, Ltd., show their Plasmon foods, which are being supplied in large quantities to the wounded in hospitals and prisoners of war. The manufacture is all British, and prices have not been advanced. Horlick's Malted Milk Co. exhibit malted milk in both tablet and powder forms, which makes it convenient and portable for men on active service. The twenty-four-hours ration-tins, recently introduced for the use of the British Army, are a special feature of the exhibit. The Nestlé and Anglo-Swiss Condensed Milk Co. show their preparations. Soap-firms are represented by Price's Patent Candle Co., Ltd., who have a very wide range of medicated, toilet, and shaving soaps, candles, night-lights, etc. Price's Service Boxes, containing an assortment of small packages of articles specially useful for men on active service, are a feature. Sphagnol Peat Products, Ltd., show their medical, toilet, and shaving soaps, ointment, and cream, which are being extensively used by the R.A.M.C. officers at the Front and in Red Cross and military hospitals. The proprietors have decided to hand over to the British Red Cross Society one-half of the proceeds from the sale of their preparations at the exhibition. The "Sanitas" Co., Ltd., exhibit "Sanitas" fluid, powder, "Sanitas-sypol," "Potex" (prepared from the active principles of the potato and other medicaments—a remedy for rheumatism, sciatica, lumbago, etc.). Fassett & Johnson, Ltd., show Seabury's standard products, also Thermogene. D. Harper & Co. have a number of useful articles for soldiers and sailors, such as pocket work-cases known as "housewives," chest-protectors, letter-cases, holdalls, etc.

Miscellaneous.

The Wellcome Historical Medical Museum, 54a Wigmore Street, Cavendish Square, W., will be closed for cleaning during the month of April.

Poison-licences.—The Tynemouth Town Council has granted poison-licences to Jas. T. Smurthwaite, William B. Smurthwaite, and Joseph Austin Ord.

The Annual Report of the Bribery and Secret Commissions League for 1915 has been published this week. The convictions during the year of offenders against the Prevention of Corruption Act numbered sixteen.

Warning.—London chemists are warned regarding a prescription which is being presented at West-end pharmacies by a soldier, and which purports to be written by Dr. Goddard, Norfolk Crescent, Hyde Park, W. The prescription orders cocaine hydrochlor. 15 gr. and morphine hydrochlor. 10 gr. It was not written by Dr. Goddard.

Analysts' Reports.—In the Borough of Poplar two samples of almond oil and one each of saffron, sal volatile and camphorated oil were reported on. All the samples were found by the Public Analyst to be up to the standard of the B.P.—In the Isle of Wight last quarter, samples, one each of saccharated-iron carbonate and vinegar of squill, were found to be adulterated.

The Optical Trade Committee has been formed to advise members of the trade in the appeals to the Local Tribunals or Advisory Committees, and to make impartial recommendations in cases of appeal based upon knowledge of the trade's requirements and the facts before it relating to the particular case. The Hon. Secretaries are Messrs. Clement Clarke and J. B. Reiner, Northampton Institute, Clerkenwell, London, E.C.

Shops Act.—At a meeting of the Leicester Town Council on March 14, a petition was presented, signed by forty pharmacists of the town, asking the Council to make an order under the Shops Act for the closing of chemists' shops at certain times specified in the petition. The petition was referred to the Watch Committee, although objection was taken that it would involve placing extra work on the police, who are now working at great pressure.

Poisonings.—The deaths from poisoning reported since our last issue are as follows: A Leeds man died at the infirmary from the effects of an overdose of laudanum; carbolic acid was administered to a child at Lydney, Forest of Dean, in mistake for bronchitis-mixture. In the case of a Clifton visitor who was found in bed at an hotel in a dying condition, death was returned as being probably due to veronal-poisoning. Two women have been poisoned

at North Kensington through the administration of poison in a neuralgia-mixture. An inquest is to be held.

Theft Charges.—At Southport Police Court on March 17, a porter named William Conlan was bound over for six months for stealing medicated wine, toilet-requisites, and proprietary articles, valued at 5*l*., from the shop of Mr. Harold Barton, chemist and druggist, Lord Street. Conlan's father and stepmother were also sentenced for receiving the stolen property.—At Brighton on March 18, Harold Lock, apprentice with Mr. Jas. Williams, chemist and druggist, Queen's Road, was charged with stealing 3*s*. 6*d*. from the till. He was bound over for a year.

Dispenser Appointed.—At the Lambeth Borough Council on March 16, the Public Health Committee reported having communicated with the Pharmaceutical Society asking for names of suitable candidates, male or female, for the appointment of part-time dispenser at the Municipal Dispensary. The Society replied that it knew of no such suitable candidates. The Committee communicated with a local College of Pharmacy and also advertised in The Chemist and Druggist. The result of the latter was that there were twenty-five applications for the vacancy. The Committee recommended the appointment of Miss Frances Speakman at a salary of 76*l*. 19*s*. per annum. To this appointment the Council agreed.

Lighting Regulations.—At Rochdale Police Court on March 17, Mr. Fred. Pickering, chemist and druggist (Boots, Ltd.), 59 and 61 Yorkshire Street, Rochdale, was fined 10*s*. for a breach of the lighting regulations.—At Hinckley on March 16, Mr. Wm. Shakespear, Ph.C., was fined 20*s*. for similarly infringing the regulations. It was stated defendant had been warned six times.—At Sevenoaks on March 17, Edward Mowat, chemist and druggist, manager for Boots, Ltd., was fined 5*l*. for a breach of the lighting order on February 23.—At Ashby-de-la-Zouch on March 18, Mr. Wm. Sumner, chemist and druggist, who, it was stated, had been previously cautioned, was fined 1*l*. 1*s*. for unshaded lights in his shop.—At Harrogate, Mr. G. Weston, chemist and druggist, was fined 10*s*., including costs, for a similar offence. Mr. Weston claimed that the light was necessary for dispensing an important prescription.

Irish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Brevities.

Dr. J. C. McWalter has been elected a member of the Royal Irish Academy.

Private Richard Mossey, 9th Battalion Royal Inniskilling Fusiliers, has been wounded in France. He was formerly an assistant with Richardson, Ltd., chemists, Dungannon.

Mr. W. Vincent Johnston, Ph.C., now serving in the Royal Army Medical Corps, has transferred his medical hall at Ranelagh to Mr. D. McGahie, Ph.C., who formerly managed the business.

Private Ernest Maxwell, son of Mr. Wm. Maxwell, managing director of Maxwell, Greer & Co., Ltd., druggists, Derry, has been invalided home from the Front suffering from a severe attack of nephritis.

The Department of Agriculture and Technical Instruction is in communication with the manufacturers of copper sulphate, with a view to obtaining supplies for agricultural purposes. The Board of Trade advises that purchases be made at once, as prices are not likely to be reduced at present.

The Departmental Committee appointed in the spring of 1913 reported by a majority in favour of extension of Medical Benefit to urban Ireland. "It is probable," states the "British Medical Journal," "that the existing Treasury Committee will take into consideration the extension of Medical Benefit to Ireland as part of the scheme of reconstruction and amendment of the Insurance Act, and it is hoped that a medical member, or members' representative of the Irish medical profession, will be added to this Committee."

Chemists and Druggists' Society of Ireland.

A whist-drive in connection with the Chemists and Druggists' Society of Ireland was held in the rooms, Belfast, on March 15, and forty players participated. The President (Mr. W. J. Rankin) welcomed the company. Mr Samuel Nevin acted as M.C., and Mr. John Frackleton supervised the supply of refreshments, which were served during the interval. The prize-winners were: *Ladies*—Mrs. Walsh, Miss Walsh, Mrs. Marshall. *Gentlemen*—Mr. T. Sanderson, Mr. James Macaulay, Mr. S. Nevin.

Scottish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Dundee.

Mr. Andrew Dargie, B.Sc., who was for twenty years assistant to the late Mr. Macdougald, is likely to obtain the position of city analyst. He has already been appointed temporary county analyst for Fife, at a fee for each analysis.

Edinburgh.

The shop of Boots, Ltd., 102 Princes Street, was on March 23 the subject of a page-advertisement in the series of "Beautiful Business Buildings," which the company is running in the London "Times."

Mr. W. L. Edward, chemist and druggist, formerly a sergeant of the special constables, has been promoted to the rank of inspector. Mr. John Henderson, chemist and druggist, Montrose Terrace, is a special constable.

Edinburgh District Chemists' Trade Association have issued a recommendation to chemists in the city that 8 P.M. be the hour of closing (Saturdays excepted). The suggestion has been adopted by 94 per cent. of the trade, and it is hoped the small minority will soon fall into line.

The Committee of the Heriot-Watt College reported at a recent meeting that Professor Bailey, Dr. Boon, Professor Westergaard, and Mr. Henry Briggs had been engaged on experimental work for the Ministry of Munitions There was also submitted a report by the Principal regarding the utilisation of nitre-cake, upon which experiments are to be carried out on a large scale.

Glasgow.

It is announced that an exhibition of British manufactures will take place in the early autumn, and that there will be a section for chemists and druggists.

The Saltcoats chemists have decided to close from now onwards, week-days at 8.30 P.M., Saturday at 10 P.M. In the summer months pharmacies have been known to keep open till after 11 P.M.

The Glasgow and West of Scotland Chemists' Association have advised the members that a plebiscite is to be taken regarding the earlier hours for closing. Members have also been advised to make a minimum charge of 3*d*. for each sale of laudanum, and to charge a deposit of 6*d*. for each syphon of ærated-water.

The "Evening News" (March 17) contained a photograph of Mr. J. Carmichael, pharmacist, Leslie, and his bride, who is a nurse just returned from Serbia, where she was serving with the Scottish Women's Hospital. The Leslie Freemasons have made a presentation of a silver tea-set to Mr. Carmichael. (See p. 39.)

Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be sent to the Editor by Wednesday of the week before the meetings, etc., occur.

Sunday, March 26.

Pharmacist Volunteer Training Corps, Hampstead Heath Tube Station, at 10 A.M. Parade, followed by company and rope drill.

Monday, March 27.

Liverpool Pharmacists' Training Corps. Royal Institution, at 9 P.M. Parade, squad drill, and lecture on "Hygiene and Sanitation."

Tuesday, March 28.

Association of Women Pharmacists, Gordon Hall, Gordon Square, London, W.C., at 7.30 P.M. Miss E. A. Gair on "Personal Reminiscences of a Sojourn in Germany," and Miss S. J. Heywood on "The Work of the Women's Volunteer Reserve."

Wednesday, March 29.

Pharmacist Volunteer Training Corps, 17 Bloomsbury Square, London, W.C., at 3.30 P.M. Rifle instruction. Programme to be repeated on Thursday.

Thursday, March 30.

Chemical Society, Burlington House, Piccadilly, London, W., at 4 P.M. Annual meeting.

Gloucestershire Pharmacists' Association, Cheltenham, at 8.45 P.M. Address by Mr. P. F. Rowsell on "The Proprietary Articles Trade Association."

Friday, March 31.

Royal Institution of Great Britain, Albemarle Street, Piccadilly, London, W., at 5.30 P.M. Professor A. Fowler on "The Spectra of Hydrogen and Helium."

Legal Reports.

Trade Law.

Cream of Tartar.—At Limavady Petty Sessions last week, the Magistrates dismissed a charge against George W. Sampson of selling cream of tartar containing 0.007 per cent. of lead.

Employers' Liability.—At Liverpool County Court on March 17, Catherine Brown was awarded 60*l.* for the loss of two fingers of the right hand due to an accident at a box-making machine during her employment with Ayrton, Saunders & Co., Ltd., wholesale druggists.

Injunction Granted.—At the Bow County Court on March 17, Judge Graham granted an injunction in the case of Sir Joseph Beecham *v.* J. W. Walton, Vicarage Cash Drug-stores, Stratford. Mr. Zeffertt applied for an interim injunction, but defendant agreed to treat the application as trial of the action.

Sale of Bovril.—In the Chancery Division on March 17, Mr. Justice Eve heard a motion by Bovril, Ltd., to restrain the Bodega Co., Ltd., from selling another meat extract as Bovril at their Fleet Street branch. It was denied that the passing-off was deliberate. His Lordship said he would hear evidence and decide the motion on March 24.

Dentist's Water-rate.—The Metropolitan Water Board sued a dentist at Westminster County Court on March 17 for six years' arrears of special water-rate. The plaintiffs contended that as the defendant used in his profession a revolving bowl with water-taps he is liable as "working a machine or apparatus," or as one who used the water in his trade or business. Judgment was reserved.

Copyright in Examination-papers. In the Chancery Division a motion came on in which the University of London Press, Ltd., sought to restrain the University Tutorial Press, Ltd., from publishing certain examination-papers in alleged infringement of plaintiffs' copyright, which had been assigned to them by the University of London. It was agreed that the motion should stand over until the trial of the action.

Railway Rates. In the Railway and Canal Commission Court on March 16, Holbrooks, Ltd., vinegar-brewers, of Birmingham, were the unsuccessful applicants for a declaration that the London and North-Western Railway Co. had illegally and unreasonably increased their rates for the carriage of applicants' vinegar in casks and for empty casks. Applicants complained that the railway company raised the rates by 5¼ per cent. The company stated that the scale was re-arranged so as to avoid giving Holbrooks, Ltd., an undue preference over other traders. The Court decided in favour of the railway company, and entered judgment, with costs.

A Chemists' Estate.—At Truro County Court on March 14, before Judge Gent, Mr. A. E. Adams applied with reference to the estate of Mrs. Henrietta Bucher, widow of Mr. W. H. Bucher, chemist and druggist, Truro, that the debts of the testator and of the executrix should be paid on the same basis; that the preference claim of Evans, Gadd & Co., Ltd., Exeter, who applied for probate, should be treated as such; and that the claims of both parties should be paid out of the estate. It was stated that the amount available (79*l.*) had been paid into court, and that there is 3*l.* 8*s.* to the credit of the account of the executrix. Mr. Adams said that S. Maw, Son & Sons, who are creditors, agreed to the application; and, in granting it, the Judge directed that the balance, if any, should be equally divided between the creditors.

Soap Amalgamation.—A claim for commission by Major Sir Edward Coates (M.P. for Lewisham), arising out of the amalgamation of Lever Bros., Ltd., and A. & F. Pears, Ltd., was settled in Mr. Justice Darling's Court in the King's Bench Division on March 23. Sir John Simon, K.C., said the plaintiffs on the record were Coates, Son & Co., but the claim was really by Major Sir Ed. Coates for remuneration earned in negotiating and carrying through a business combination in the form of a working agreement between the two well-known firms of soap-manufacturers. Some misunderstanding arose as to whether Lever Bros. (the present defendants) had taken over the liability of Pears to pay the commission, but now the whole dispute had been satisfactorily arranged, and the record in the case would be withdrawn. Mr. Gordon Hewart, K.C. (for defendants), concurred. The case was disposed of as agreed between the parties.

Claim for Analyses.—In the City of London Court on March 21, before Judge Rentoul, Lewis Jameson & Co., research chemists, 83 Victoria Street, London, E.C., made a claim against Parker & Lester, Ltd., Ormside Street, Old Kent Road, for 16*l.* 16*s.* for analyses of a sample of Orminol and a German disinfectant, and supplying for the latter a formula and process. Defendants paid two guineas into court. Defendants asked plaintiffs to analyse a German disinfecting-fluid with a view to placing on the market a disinfectant of the same kind. Plaintiffs, however, supplied a formula which did not yield a clear fluid like the sample which was to be matched, and defendants objected to pay for this. The two guineas paid into Court was for the analytical report on Orminol. A good deal of discussion took place as to the duty of the analyst to supply a correct formula, plaintiffs contending that they could not be held liable for not telling defendants secrets of mixing which would not be disclosed by analysis. Mr. W. F. Nicholson, B.Sc., managing director of the plaintiff company, in evidence, said that two guineas was the usual fee for a report on a sample such as Orminol. The hearing was adjourned.

New Companies
and Company News.

P.C. means Private Company and R.O. Registered Office.

Thompson & Co. (Leeds), Ltd.—Capital 500*l.* Objects: To take over the business of F. Thompson, C. Borrell, and W. H. Day at 13 and 15 Waterloo Street, Leeds ("Thompson & Co."). R.O., Rainham Chemical-works, Rainham, Essex.

Premier British Lead-products Co., Ltd. (P.C.).—Capital 15,000*l.*, in 1*l.* shares. Objects: To carry on the business of manufacturers of lead-products, acids, chemicals, etc. R.O., 51-52 Fenchurch Street, London, E.C.

Ideal London Studios, Ltd. (P.C.).—Capital 250*l.* Objects: To take over the business carried on at 1A Beadon Road, Hammersmith, as "Joseph Jacquier & Co.," photographers, chemists, druggists, etc. R.O., as above.

S. Greenwood & Son, Ltd. (P.C.).—Capital, 4,000*l.* Objects: To carry on the business of size, glue, and gelatin manufacturers and merchants as formerly carried on as "S. Greenwood & Sons." R.O., Valley Mills, Meanwood Road, Leeds.

Griffiths Bros. & Co. (London), Ltd. (P.C.).—Capital 25,000*l.* Objects: To carry on the business of enamel, paint, varnish, and colour manufacturers as formerly carried on as "Griffiths Bros. & Co." and "Daniel Judson & Co." Solicitor, N. Foskett, 9 Bush Lane, Cannon Street, London, E.C.

H. A. Bell & Co., Ltd. (P.C.).—Capital, 2,000*l.* Objects: To carry on the business of brass-finishers, metal-workers, makers of and dealers in mathematical, surgical, dental, optical, and scientific instruments, drugs, anæsthetics, and chemical appliances, etc. Solicitor: J. L. Smith, 41 Finsbury Pavement, London, E.C.

British Cellulose and Chemical Manufacturing Co., Ltd. (P.C.).—Capital, 4,000*l.* in 6*d.* shares. Objects: To carry on the business of manufacturers and producers of and dealers in natural and chemical articles and drugs of all kinds, chemists, druggists, etc. Solicitors: Durrant, Cooper & Hambling, 70-71 Gracechurch Street, London, E.C.

Price's Patent Candle Co., Ltd.—The report for 1915 shows a profit of 143,145*l.*, against 98,565*l.* for 1914. After adding 10,157*l.* brought forward, and deducting the interim dividend of 16*s.* per share and interest on debenture stock, there remains 113,302*l.* It is proposed to write off 10,000*l.* for depreciation of buildings and plant, placing 25,000*l.* to a special reserve for contingencies, and 5,000*l.* to the pension-fund, paying a final dividend of 1*l.* 4*s.* and bonus of 7*s.* 6*d.* per share, making 2*l.* 7*s.* 6*d.* per share, less tax, for 1915, and carrying forward 14,239*l.*

Southall Bros. & Barclay, Ltd.—The report of directors for the year ended December 31, 1915, to be presented at the ordinary general meeting of the company, to be held at the Grand Hotel, Colmore Row, Birmingham, on March 27, 1916, at 12 noon, states that the accounts show that, after providing for bad debts, depreciation, excess-profits duty, and directors' remuneration, there is a balance of profit for the year of 23,575*l.* 8*s.* 10*d.* To this must be added the sum of 8,858*l.* 11*s.* 7*d.* carried forward last year, making a total of 32,434*l.* 0*s.* 5*d.* Out of this has been paid an interim dividend on preference shares of 2,750*l.*, leaving a balance of 29,684*l.* 0*s.* 5*d.*, which the directors recommend should be appropriated as follows: Second half-year's dividend on preference shares at the rate of 5 per cent. per annum (paid January 1, 1916), 2,750*l.*; year's dividend on

ordinary shares at the rate of 10 per cent. per annum (free of income-tax), 8,600*l.*; bonus of 1*s.* per share on ordinary shares (free of income-tax), 4,300*l.*; to reserve, 2,000*l.*; to be written off goodwill, patents, etc., 3,000*l.*; balance carried forward, 9,034*l.* 0*s.* 5*d.* Mr. Thomas Barclay, the retiring director, offers himself for re-election.

Evans Sons Lescher & Webb, Ltd.—The report of the directors for the year ended December 31, 1915, to be submitted to the fourteenth ordinary general meeting, to be held at 56 Hanover Street, Liverpool, on March 24, states that all trade expenses have been written off, and ample provision has been made for bad and doubtful debts, depreciation, advertising, trade-marks, income-tax, and leasehold sinking fund, also for excess-profits duty, and a bonus fund has been apportioned for employés; all the expenses of the new issue of preference shares have been written off; interest on the debenture stock and dividend on preference shares, also an interim dividend on ordinary shares in July last, and fees and salaries to senior and junior directors respectively have been duly provided for, and there remains an available balance for further dividend on ordinary shares of 24,967*l.* 17*s.* 8*d.* The directors are pleased to be able to report a very successful year's trading in 1915, notwithstanding the continuance of the war. Thanks to the good work of the British Navy and Army our trade routes have been kept open. Realising that a large portion of the trade hitherto done by Germany with our Allies and neutral countries would of necessity be diverted to this country, the directors in anticipation purchased heavy stocks, and thus have been able, notwithstanding many difficulties, to cope with the large increase of trade that has come to the company. The sales of the well-established proprietaries of the company, "Montserrat lime-fruit juice," "Evans' antiseptic throat-pastilles," and many others, have been well maintained; in addition, the company has further increased the demand for "Lysol Evans," and for other proprietary articles hitherto controlled by Germany. The directors recommend that for the second half-year a dividend at the rate of 12½ per cent. per annum be paid on the ordinary shares, making 10 per cent. for the year; also a bonus of 5 per cent. for twelve months; this, with the interim dividend of 7½ per cent. per annum declared for the first half-year, leaves, after placing 10,000*l.* to reserve, 8,092*l.* 17*s.* 8*d.* to be carried forward. Mr. Stephen F. Webb, one of the junior directors, and his brother, Mr. Christopher R. Webb, also Mr. E. H. S. Evans, son of Mr. William P. Evans, are serving in his Majesty's Forces, in addition to over 250 of the staff in Liverpool and London, many of whose dependants are being provided for in their absence. The company's bacteriological research laboratories at Runcorn are working satisfactorily, with an increased trade in various products. The new works at Runcorn are just completed and will be adapted as time goes on to serve for the manufacture of many articles hitherto obtained from Germany. All the preliminary expenses of the research-work incurred during the year have been written off. Mr. J. J. Evans, Mr. E. A. Webb, and Mr. J. N. Evans are the retiring directors, and, being eligible, offer themselves for re-election.

Births.

Authenticated notices are inserted without charge.

Armstrong.—At Greenbank, Latchford, Warrington, on March 13, the wife of E. Frankland Armstrong, Ph.D., F.C.S., of a son.

Finlay.—At 1 Greenbank Crescent, Edinburgh, on March 19, the wife of James Finlay, chemist and druggist, of a daughter.

Greenwood.—At "Greenwood," Kellner Street, Bloemfontein, Orange Free State, on January 20, the wife of H. H. Greenwood, of a son.

Marriages.

Authenticated notices are inserted without charge.

Carmichael—Bell.—At 6 Stanmore Road, Mount Florida, Glasgow, on March 16, by the Rev. J. McN. Ramsay, Shotts, John Carmichael, chemist and druggist, Leslie, Fife, to Jean Aitken Bell, daughter of Mr. Duncan Bell, Newhouse, Holytown.

Dornbush—Young.—At Toronto, Canada, on January 15, Robert E. Dornbush, assistant manager, Grasselli Chemical Co., Cleveland, U.S.A., to Agnes (Nessie) Crichton Young, only daughter of Mr. and Mrs. John Young, late of Coatbridge.

Hayes—Spruce.—At Rathgar, Dublin, on March 1, by the Rev. E. P. Hayes, S.M. (brother of the bridegroom), Thomas Hayes (of Hayes & Hayes, pharmaceutical chemists, Dublin and Portumna) to Charlotte, daughter of the late Mr. William Spruce, Dereham, Norfolk.

Lowe—Nelson.—At Glossop Parish Church, on March 7, Arthur Lowe, chemist and druggist (Boots, Ltd.), to L. M. Nelson, only daughter of Mr. Jas. Nelson, Milford House, Glossop.

Rowland—Duncan.—At Edinburgh, on March 10, Ernest Osmond Rowland, chemist and druggist, Norbury, London, S.W., to May, youngest daughter of the late William Duncan and Mrs. Duncan, 45 Sciennes Road, Edinburgh.

Tunstall-Behrens—Dyer.—On March 15, by the Rev. Canon Anthony C. Deane, M.A., Vicar of St. John's, Hampstead, Brian Tunstall-Behrens, R.E., M.A., of Pembroke College, Oxford, and of Porth-en-alls, Marazion, Cornwall, to Gwen, eldest daughter of Dr. Bernard Dyer, F.I.C., F.C.S., 15 Lindfield Gardens, Hampstead, N.W.

Deaths.

Authenticated notices are inserted without charge.

Coles—At 25 Market Place, Chippenham, on March 14, Alderman John Coles Coles, Ph.C., aged seventy-four. He was a native of Frome, and served his apprenticeship with W. & J. Goold, of Chippenham, eventually succeeding to the business. He was thrice Mayor of the borough.

Crail.—At Victoria Road, Annan, on March 19, Christina McLaren Glen, wife of John Crail, J.P., chemist, Annan.

Heyes.—At 32 Hart Street, Ulverston, on March 18, Mr. Thomas Harry Heyes, aged fifty-five. He passed the Minor in 1883, and spent the earlier part of his life at Bolton, but owing to ill-health retired from business to live at Ulverston. He took a great interest in pharmaceutical affairs, and often performed kindly acts for local chemists, of which pleasant memories remain. He represented chemists on the Lancashire Insurance Committee. He was an expert photographer, and his Masonic record is P.Z. and P.M. Bolton, P.M. Ulverston Lodge 995, and W.M. Mark Lodge, Ulverston. He leaves a widow and daughter. The funeral took place on March 21, at which the Barrow Pharmacists' Association was represented by Messrs. Scott (President), Swann (Vice-President), Keay (Treasurer), and F. J. Sanson (Hon. Secretary).

Knowles.—At 38 Great Portwood Street, Stockport, on March 13, Mr. Ralph Morten Knowles, chemist and druggist, aged seventy-three. Mr. Knowles was in business at the time of the passing of the Pharmacy Act, 1868.

Miller.—In Edinburgh, last week, Mr. W. Gow Miller, chemist and druggist, Bridge Street, Wick. He was born at Oldwick, served his apprenticeship as a chemist with his brother, the late Mr. Kenneth Miller, and passed the Minor examination in 1890. Afterwards he began business on his own account.

Paris.—At Yarmouth, Isle of Wight, on March 21, Fanny Cresswell Paris, aged 101. Miss Paris was the daughter of John Ayrton Paris (1785-1856), a former President of the Royal College of Physicians. He is known to pharmacists from his "Pharmacologia," first published in 1812. He also published "Medical Jurisprudence" and "Elements of Medical Chemistry."

Ryan.—At Ootacamund, on December 21, Mr. Henry Valentine Ryan, acting director of the Government Cinchona Plantations, aged seventy-three. Mr. Ryan died suddenly while on a special mission to Naduvatam in connection with the mortality among cinchona-plants.

Smallcombe.—At Leighton, Wiltshire, on March 6, Mr. Abraham Smallcombe, chemist and druggist, aged ninety-three. Mr. Smallcombe had carried on business at Westbury, Wiltshire, some years before the passing of the Pharmacy Act, 1868.

Personalities.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

Mr. Daniel Arnott, chemist and druggist, Pontypridd, has been re-elected an overseer for the district.

Mr. H. Wippell Gadd, chemist and druggist, has been elected Chairman of the Exeter Chamber of Commerce.

Miss S. Mortimer, chemist and druggist at the Fishpool Institution of the Bolton Union, has resigned her appointment.

Mr. S. W. Cole, M.A., of Trinity College, has been appointed University Lecturer in Medical Chemistry at Cambridge.

Mr. E. A. Pratt, Broad Green Pharmacy, West Croydon, was last week in error referred to in this column as a chemist and druggist, which he is not.

The Mayor of Bury St. Edmunds (Alderman Owen A. Clark, chemist and druggist) has been appointed Commandant of the local Volunteer Training Corps.

Mr. R. McKean Cant, of the B. F. Goodrich Co., Ltd., gave an address before the last meeting of the Society of Motor Advertising Managers on "House Organs."

Mr. Arthur N. Birks, Victoria Parade, Claremont, West Australia, has given up his pharmacy to enlist in the Expeditionary Force. He has already been promoted sergeant.

Mr. H. G. Chamberlain, who was on the buying staff of C. J. Hewlett & Sons, Ltd., before enlisting in the R.A.M.C. in October 1914, is now a sergeant at No. 18 General Hospital, British Expeditionary Force.

The Firm of Louis Schlesinger, essential-oil importer, 7 Clifton Street, Finsbury, London, E.C., has been changed to L. Singer. The proprietors (British-born subjects) have also changed their name by deed-poll to Willie Singer and Bernard Singer.

Mr. Thomas Hannah, "Hannabury," Amersfoort, Transvaal, has published a brochure entitled "The Emancipation of the Pharmaceutical Profession throughout the British Empire," which has reference to the case arising from his infringement of the Transvaal pharmacy law.

Mr. E. Walters, manager to Potter & Clarke, Ltd., wholesale druggists, 24 Lund Street, Ancoats, Manchester, was on March 16 presented by Mr. W. Thomas, on behalf of the staff, with a cake-dish, salad-bowl, and two silver flower-vases, as a token of respect and in recognition of his silver wedding.

Bro. O. R. Windemer, Ph.C., Harrogate, has been duly installed Worshipful Master of the Doric Lodge of Freemasons, No. 2695, for the ensuing year. At the banquet which followed the installation a large number of guests were present, including Bro. G. J. R. Parkes, P.P.G.P., chemist and druggist, Nottingham.

Mr. Samuel W. Fairchild (Fairchild Bros. & Foster), New York, is Chairman of the Greater New York Committee of the Commission for Relief in Belgium. Striking appeals have been issued in the "New York Herald" for funds to buy clothing and shoes for the three million destitute people in Belgium and the invaded parts of France. One of the newspaper appeals concludes: "Belgium can't wear sympathy; Belgium has had pity enough; she must have clothes and shoes now." We wish every success to Mr. Fairchild in his magnificent work of helping the oppressed.

Surgeon-General William Babtie, V.C., C.M.G., who has been appointed to assist Sir Alfred Keogh as Director-General of the Royal Army Medical Service, is the eldest son of Mr. John Babtie, J.P., Ph.C., Dumbarton (*C. & D.*, July 4, 1914, p. 36). After graduating as M.B., C.M. at Glasgow University in 1880, he entered the Army medical service in the following year, and has served with distinction since, the V.C. having been awarded to him during the Boer War. He was appointed an honorary surgeon to the King in June 1914, when he was Deputy-Director-General of the R.A.M.C. He is in his fifty-seventh year.

Dr. L. H. Baekeland has been presented with the Perkin medal by the New York Section of the Society of Chemical Industry. Professor C. F. Chandler, who made the presentation at the January meeting of the Section, stated that Dr. Baekeland was born at Ghent in 1863, and became Associate-Professor of Chemistry in the University of his native city. It was here that he became interested in photographic chemistry through the establishment in Ghent of Dr. van Monckhoven's dry-plate factory. In 1889 Dr. Baekeland was appointed chemist to E. & H. T. Anthony & Co., photographic film and paper manufacturers, New York, and two years afterwards he established himself as a consulting research chemist. In 1893 he founded, with Leonard Jacobi, the Nepera Chemical Co., Yonkers, and brought out "Velox" paper, the formula for which he had devised years before when living in Ghent. This company was afterwards sold to the Eastman Kodak Co., and Dr. Baekeland turned his attention to research-work. He developed the technical side of the Hooker Electro-chemical Co. at Niagara Falls, and made a commercial success of the Townsend electrolytic cell for producing caustic soda and chlorine from salt. Afterwards Dr. Baekeland discovered bakelite, a condensation-product of phenol and formaldehyde, which is used in place of ivory, celluloid, and similar materials.

Trade Notes.

Hat and Cloth Brushes.—The compact form of brush made by S. Maw, Son & Sons, 7-12 Aldersgate Street, London, E.C., which was referred to in this column last week, is for hats and cloth.

"No. 77" Eau de Cologne is a British-made perfume manufactured by William Toogood, Ltd., 77 Southwark Street, London, S.E. The prices and styles are given in the company's advertisement.

Williams' Henna Shampoo.—Maison Chaventré, 289 Oxford Street, London, W., general agents for Dr. Evan Williams' shampoo, deal also in other up-to-date toilet lines, for the sale of which chemists will find a public well prepared by advertising.

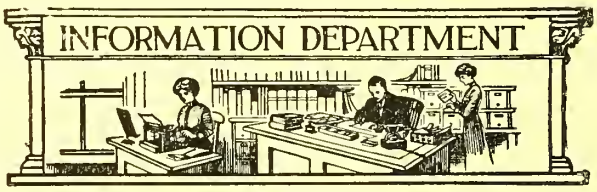
Erasmic Window-display.—A special offer is made in connection with the supply of Erasmic soap with a view to affording adequate window-displays of the soap. The details are given in the advertisement in this issue of Erasmic, Ltd., Warrington.

"Koko" Prices.—The new scale of prices for the home trade in Koko is given in the advertisement of Koko-Maricopas, Ltd., 16 Bevis Marks, London, E.C. These prices take effect from March 24, and include an increase in the minimum retail prices.

Advertising Booklets.—F. A. Degen, advertising expert, asks us to state that, in view of the coming scarcity of paper, it will be found that advertising booklets, being small and effective, are by far the cheapest form of advertising which chemists can use at the present time.

Potter's Asthma Cure.—Potter & Clarke, Ltd., 60-64 Artillery Lane, London, E., announce in this issue that the price of Potter's asthma cure and cigarettes has been altered. The minimum retail price has been raised to 1*s.*, and the wholesale price to 9*s.* 6*d.* per dozen net. The rate of profit for the retailer has been increased.

Drug Prices.—The Alliance Drug and Chemical Co., 34 Leadenhall Street, London, E.C., ask us to call attention to the fact that in future it will be necessary to close their advertisement for press on Tuesday night. It is possible, therefore, that in view of rapid changes in the market the quotation may occasionally be out of date by the time The Chemist and Druggist reaches our readers.



Postal Address:
C. & D. INFORMATION DEPARTMENT, 42 Cannon Street, London, E.C.
Telegraphic Address: "CHEMICUS, CANNON, LONDON" (two words).
Telephone Number: 3617 CENTRAL (three lines).

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated. Please address us as above:

164/15. "Acme" nail scissors and files.
165/32. "Uralose."
167/32. "Conquest" safety-belt for children.
166/32. Address of The Dacia Co.
168/5. "Pax" freckle cream.
167/23. Glycerole lactate No. 2 (Baylis).
168/38. "Bath Tablets (Alexis Grurin) London and Moscow."
134/29. "Aries" anti-vermin body-belt.

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, The Chemist and Druggist, 42 Cannon Street, London, E.C.:

Allen's, Mrs., hair-restorer, 139/74
"Alliance" disinfectant roll, 144/6
"Crystalline Raindrops," 117/68
Cutler's gold enamel, 145/22
Davol rubber syringes, agent 155/41
Logwood extract (for Japan), 112/740
Macaura's vibrator, 113/27
"Red Poppy" corn-silk, 135/38
Resin, 149/72
"Soiloff," 124/12
"Soldiers' Friend" polish, 124/51
Toilet-rolls, 127/6
Tooth soap in bulk, 150/21
"Tri-mur-ti" peppermint cream, 116/53 and 119/18
"Trypsogen" tablets, 125/410

Observations and Reflections.

By Xrayser II.

I am in Hearty Agreement

with "Alpha" and Mr. G. Kennedy with regard to the Tariff, and, as I think was fairly plain, my "curious point" was aimed at those gentlemen who are apparently willing to sacrifice profitable business to professional status. We certainly have not secured this status by accepting what both the correspondents referred to regard as the unprofitable business of dispensing under this new Tariff, but it is a fact nevertheless that some of us accept it as a step in that direction. The question, What is cost-price? is, of course, of real importance. I should answer it by saying that in this instance cost-price is total cost *minus* what is allowed for under the head of establishment-charges. Deducting these there are such matters as waste, carriage (in many cases), and the loss inseparable from the minute division of quantities (to name no others) which should be taken into account, and 5 per cent. on—not off—list-prices would not more than cover these. But, after all, these are disputable points; they can never be exactly determined, and it will be as difficult to enforce our view of cost-price on the Commissioners as our view of establishment-expenses. About the fee, however, there can be no argument; it is a plain issue: let cost price be determined as it may, we simply will not work at the rate of 2½*d.* per script. Add this resolution to Mr. Kennedy's, and I support it heart and soul. Whether the Associations will adopt it, and whether panel chemists as a body will stand or fall by it, are other questions. It would be absurd, in my judgment, to present such an ultimatum unless we were positively assured of universal support from pharmacists and company-pharmacists—if such a hybrid term is permissible. It is the weakness of our position that, as Mr. Kennedy says, many of us cannot afford to give up even an unprofitable business the loss of which would carry other losses with it.

Complaints against Panel Chemists

of incivility and inattention, though they are not often heard are more frequent than they ought to be, for they ought never to occur at all. No doubt they are sometimes made without just cause, but that occasionally there is good ground for them is proved by several recently reported cases. That men working such long hours, under such constant strain, and to such little personal profit as pharmacists, should sometimes lose their temper is but natural; still, exhibitions of temper are always to be deplored, since they put us in the wrong, however much excuse there may be for them. Nobody has a right to expect that we should be at his beck and call at every hour of the day and night, and the man who habitually troubles us after hours has no reasonable defence for doing so; but to fly into a temper with him and call him bad names is to give him a plausible ground for complaint. This is so obviously true that it would not be worth saying but for the fact that it is so easily forgotten. There is another way, however, of treating unwelcome customers which is equally reprehensible, though that fact may not be so generally admitted. It is the declining of a prescription on the ground that it contains an ingredient we have not in stock. If the ingredient is not in stock, an offer at least to procure it should be made. Honour demands that we should fulfil our engagements whenever possible, and they who evade them in this fashion are "shirkers" of the worst sort.

My Note of March 11

on the death of Mr. Newsholme has brought me a letter from a pharmacist, personally unknown to me, carrying on a business in a leading thoroughfare of a great provincial city, which I welcome not as a tribute to myself, but as evidence that the need of reform in the method of electing the Pharmaceutical Council is felt in such influential quarters. My correspondent says: "You gave a straight lead to the country, which is badly wanted, as we are in for serious times, and need the strongest men on the Council." The point is that we need men Such an exceptionally strong man as Mr. Newsholme may, even under our present imperfect system, occasionally find or force his way into the Council and work wonders there, but we cannot afford to depend on exceptions which occur perhaps once in a lifetime; nor can we hope for a constant supply of the men we want until we have a system enabling individual groups of pharmacists to choose each its own representative and keep in close personal touch with him. Were this secured, another equally needed reform would follow. We should elect the whole Council at one and the same time, and not at every election leave an old leaven to infect the new members with its own official prejudices and inertia, as we do at present—a device, this latter, admirable in the election of a body whose chief function is to check another body, but a bar to all initiative. The Council of a statutory body whose chief function is administration needs no such check; on the contrary, it should have all the initiative power allowed by its charter. If it be objected that I am contending for mere machinery, I reply that the organisation of a living body is not mere machinery, but the expression of the life-force, which can only make itself fully effective by perfect organisation. That the life-force of the Pharmaceutical Society has never yet found its full expression, has never made its will really effective, is clear from the fact that after some eighty years of effort it has not yet half realised its will to embrace the whole number of British pharmacists. Why? Because it has never been more than half alive. Quicken its life and it will grow apace.

Your Literary Competition

interested me, and I am sorry to see it come to an untimely end. The poets have not always been kind to our branch of the healing art, nor are their references to what can, properly speaking, be called pharmacy very numerous. Some years ago I began an anthology of such passages as would come under this head, but did not proceed very far with it, partly for this reason and partly because I found that the more appropriate the passages were, the less of true poetry there was in them as a rule. The richest field of selection in this kind is furnished by the Elizabethans, but of these Shakespeare, in proportion to his volume, yields, I believe, the least. Lyly, the euphuist, is packed with curious lore of this and other kinds, mostly cribbed from Pliny, though his own imagination must be credited with some of it. Ben Jonson and Beaumont and Fletcher are perhaps more widely informed than he—certainly they are more solid in their learning—and physicians and apothecaries and more irregular practitioners are among their stock-in-trade. Of our recent poets Browning, I suppose, stands first in this respect. He took the whole world of knowledge for his province, and though he didn't always succeed in extracting "the old wine of poesy" from it, his medical lore was sufficient to give him a peculiar interest for pharmacists. Mr. Bridges, himself a physician, stuffs a good deal of his professional learning into some of his "Poems in Classical Prosody," where at least it does no harm. I am afraid that medicine is not very sympathetic to poetical treatment, and that when the "Quarterly" reviewer bade Keats "go back to his gallipots" he was banishing him very far indeed from those "Western islands" which "bards in fealty to Apollo hold." Keats, however, has some "pharmaceutical" passages which for pure verbal music rival Shakespeare's

"Not poppy, nor mandragora,
Nor all the drowsy syrups of the world."

Registered "POTEX" Trade Mark

is the name of our new preparation for use in cases of

RHEUMATISM, LUMBAGO, &c.

It is put up in 1/3 and 2/6 bottles, and may be had through all Wholesalers or direct from the Sole Manufacturers—

THE "SANITAS" CO., Ltd., LIMEHOUSE, LONDON, E.

BRITISH ABSOLUTE ALCOHOL.

Jas. Burrough Ltd. Distillery, Hutton Rd., LAMBETH, S.E.

FRENCH AND ALL FOREIGN Proprietary MEDICINES

Wilcox, Jozeau & Co.
49, HAYMARKET, LONDON, S.W.
Export and other Buyers should apply for a List. Foreign prescriptions dispensed for Pharmacists.

BRITISH THYMOL

H. RUBECK,
DISTILLER OF ESSENTIAL OILS.
Established 1856.
59 MARK LANE, LONDON, E.C.

PHARMACUTICAL FORMULAS. (9th Ed.) 10/-, by Post 10/6.
ART OF DISPENSING. (9th Ed.) 596 pages. 6/-, by Post 6/4.
CHEMISTS' DICTIONARY OF SYNONYMS. 2/6, by Post 2/8.

THE CHEMIST AND DRUGGIST, 42 CANNON ST., E.C.

Index Folio 382

"A revolution in the art of Urine Testing."—*Medical Press & Circular.*

ENDOLYTIC TUBES

"The Laboratory in the Waistcoat Pocket."

Wholesale Terms on application to the Sole Proprietors:
FLETCHER, FLETCHER & Co., Ltd., HOLLOWAY, LONDON, N.

Editorial Articles.

Ceylon Produce in 1915.

The Ceylon Chamber of Commerce, reporting on the produce sold during 1915, shows that exports of cocoa, cardamoms, coir, cinnamon, plumbago, and citronella oil have considerably increased. The following comparative statement shows in detail the exports of cardamoms, coconut oil, and citronella oil for 1914 and 1915, together with the countries of destination. Small amounts to various countries are omitted, but the totals are given in full :

To	Cardamoms		Coconut Oil		Citronella Oil	
	1914	1915	1914	1915	1914	1915
	lb.	lb.	cwt.	cwt.	lb.	lb.
United Kingdom	210,916	330,562	191,336	230,745	596,897	464,070
France	5,937	5,380	—	—	27,089	88,539
Germany ...	52,766	—	1,485	—	99,655	—
Denmark ...	3,240	—	—	—	—	—
Russia... ...	1,536	—	—	—	—	—
Sweden	9,991	—	2,609	413	—	—
Norway... ...	—	—	26,496	31,878	—	—
Turkey	7,545	—	—	—	—	—
Australia ...	—	—	—	—	108,082	105,209
United States ...	62,289	137,662	229,321	140,315	529,443	899,001
Egypt	4,960	16,370	—	—	—	—
India	15,155	18,719	3,385	560	12,539	15,092
Straits Settlements ...	967	2,458	—	—	2,500	270
Japan	—	3,186	—	—	21,501	32,167
China	—	3,849	—	—	28,237	34,547
Total ...	376,321	519,039	469,681	473,425	1,425,050	1,674,692

The large increase (142,700 lb.) in the exports of cardamoms is extraordinary in view of the diminished demand and the difficulty of selling any but the higher grades at a profit. The spice has already suffered by the war, and we look for diminished exports in 1916, as the tendency is to reduce the planting area. Citronella oil shows a revival, being 249,640 lb. more compared with 1914, which was a poor year. The exports of cinnamon were as follows (lb.) :

	Quills	Chips	Total
1914	2,361,994	1,498,464	3,860,458
1915	4,123,433	2,045,287	6,168,720

The above figures show the remarkable increase of 2,308,262 lb. of quills and chips, which is well distributed among the importing countries, the U.S.A. being the largest consumer of quills (1,416,965 lb.), the United Kingdom receiving 1,333,123 lb. ; but of chips the U.S.A. received only 57,828 lb., against the 1,280,870 lb. for the United Kingdom. Spain was a large consumer, with 951,589 lb. of quills and 213,860 lb. of chips. Coconut-oil shipments were well maintained, but copra declined, the United Kingdom imports dropping by over 22,000 tons in 1915. Both Denmark and Holland took increased quantities, and up to the close of the first quarter of 1915, there is every reason to believe, the bulk of these non-contraband goods went through to Germany, but this business practically ceased with the formation of the Netherlands Overseas Trust.

The Supply of Glycerin.

We referred some weeks ago (*C. & D.*, February 19, p. 45) to the restrictions which are being placed on the uses of glycerin. These take the form of a refusal to supply glycerin, except on condition that it is not sold for other than medical purposes. Up to now large direct buyers of glycerin for toilet-purposes have been the only people to find their supplies cut off, as they have been unable to give the necessary undertaking that the glycerin will not be used in toilet-preparations. The wholesale druggists are now being required to give undertakings that they will not sell their stocks of glycerin for other than medicinal purposes. Retail chemists will also in future be required to give undertakings not to sell glycerin for toilet-purposes or use it in toilet-preparations. The inconvenience that will be caused in the retail trade will be considerable, but the wholesale druggist has no choice in the matter. The requirements of the wholesale trade have to be placed before the Ministry of Munitions each month by the glycerin-producers, and in future only the amount needed for use in medicines will be allowed to be sold. The national interests are, of course, paramount, and chemists should explain to their customers that the national requirements at the present time are so great that it is wasteful to use glycerin for toilet-purposes. All but the most unreasonable persons—and there are many among the customers of the retailer—will see that the present shortage for toilet-purposes is unavoidable. In regard to substitutes for glycerin which could be employed in the meantime there is a field for suggestions. A bland oil, such as almond oil or a pure liquid paraffin, is quite suitable as a protective for chapped hands. The hygroscopic qualities of glycerin can be imitated in hair-washes by employing liquid glucose or other uncrystallisable sugar—golden syrup is an easily obtainable form. The question of stickiness must not be overlooked, but we have been informed that there is not much to choose between glucose and glycerin in hair-washes, having regard to the small amounts employed. In other cases the hygroscopic properties of calcium or magnesium chlorides may be taken advantage of.

Ourselves.

When referring in our issue of March 4 (pp. 46-47) to the restriction in the paper-supply, due to an Order in Council, we urged the drug-trade to be extremely economical in the use of paper or any articles made from paper. We also dealt generally with the restrictions imposed upon newspapers, summing up with the remark that

"Difficulties are part of the price of war, but they will be cheerfully borne by all in the certain hope of the crowning victory which the future has in store for the Allies."

Since then the special Commission appointed by the Board of Trade has formulated regulations which restrict the delivery of paper to newspapers. It may be some time before traders are affected, because no restriction has specifically been formulated in that regard; nevertheless, we advise all to economise on paper as desired by the Commission. The Chemist and Druggist is loyally adhering to the Order in Council and instructions made under it, but we happen to be "hard hit" because our circulation is a measure of paid-in-advance subscription without that large proportion of sale or return copies which most newspapers were in the habit of supplying, and consequent on the Order have stopped. We desire, therefore, to make it perfectly clear that the circulation of The Chemist and Druggist is fully maintained in spite of the Order in Council, and the March issues sufficiently demonstrate that the contents are in keeping with the reputation of The Chemist and Druggist as the leading journal of the chemical and drug trades. We are indebted to many business houses who advertise in the *C. & D.* for loyal co-operation with us in satisfying the conditions laid down by his Majesty in Council so as to ensure complete equipment of our naval and military enforcements. This was the sole purpose of the paper order. Although considerable sacrifice is experienced by us, in common with other newspaers, we have not increased our advertising rates, nor otherwise transferred to *C. & D.* supporters any part of the greatly augmented cost of production which the Order entails. This is the first occasion in our history that we have experienced something in the nature of restriction by Government. The conditions are severe and in some respects irritating, but we feel sure that both advertisers and subscribers support us in our endeavour loyally to accord with an Order whose object is also to make peace a nearer probability than it seemed when the year began.

Army Rank for Pharmacists.

The Australian Commonwealth Defence Department has asked each Pharmaceutical Society to nominate an honorary captain in each district as senior pharmacist, through whom all appointments of pharmacists (officers) and dispensers (staff sergeants) will be made. Already several honorary captains have been appointed—*e.g.*, Mr. A. Wadsworth (New South Wales), Mr. R. C. Cowley (Queensland), and Mr. D. A. Cossar (Victoria). The duties consist in organising a pharmaceutical service. The positions, it will be observed, are honorary.

Sulphuric Acid in America.

Mr. W. H. Waggaman, of the United States Department of Agriculture, publishes in a Bulletin (No. 283) an account of the methods of making sulphuric acid. He states that in 1913 the quantity of sulphuric acid made in the United States and reduced to 50° B. was 3,538,980 short tons. The figures for 1915, which have since been published, show that the quantity has now increased to 4,007,000 tons. These do not include fuming acid, of which the quantity made in 1913 was 22,947 short tons, and in 1915 49,000 tons. The increase is due to the fact that new industries are being started, and German manufacturers are beginning to realise that one effect of the war will be that the supremacy which they have hitherto enjoyed in certain branches of chemical industry is threatened, and nowhere more seriously than in America. Mr. Waggaman discusses the various processes for making sulphuric acid, and refers to a modification of the chamber process, which consists of a method of more quickly effecting an admixture of the reacting gases by causing them to traverse a spiral tube of lead kept at a determinate temperature. So far the arrangement has only been tried on a laboratory scale, but this has shown that the chamber-space can be much diminished, and also that the lead spiral seems to exert a catalytic action in the reaction.

Java Cinchona.

The report of the Union for the Promotion of the Interests of Cinchona Cultivators for the year 1915 states that the compromise arrived at between quinine-makers and cinchona-bark importers on the outbreak of the war has worked fairly well during 1915, although the quantity of bark delivered to makers was below that arranged for; it is hoped that from now onwards this deficiency will be made up. Although the price of quinine rose

neither importers of bark nor makers of quinine were at first able to take advantage of the rise, as both were largely bound by contracts for future delivery. In September 1915, however, the Union held a meeting at which bark importers were able to discuss this question with Mr. Ramaer, President of the Cinchona Bureau, and as a result the unit price for bark was raised to a more satisfactory figure in a circular issued by the Bureau in December 1915. This satisfactory result the Union attributes largely to the painstaking efforts of Mr. Ramaer. The conditions for the importation of bark remained much the same throughout 1915, and although the imports of other Dutch Colonial products into Holland dwindled a good deal, the falling-off in cinchona-bark was small. It was thought well, however, in the autumn of 1915 to appoint a Committee to regulate the import of bark and to work in association with the Netherlands Overseas Trust. The number of firms represented in the Union is now fifteen, and the Report points out that if the Union were better supported, especially by planters, it would be able to do much more effective work for the cinchona-industry as a whole than is at present the case.

The Study of Spanish.

It is proposed to establish a Chair of Spanish Language and Literature at King's College, University of London, and Sir Maurice de Bunsen, formerly British Ambassador in Madrid, is Chairman of the Executive Committee formed to promote that object. The matter is of interest to pharmacists from the fact that the end of the war will bring great opportunities to the British pharmaceutical and chemical industries. Allied and neutral countries present a very wide and as yet little-exploited field for the remunerative employment of British capital and enterprise. Those manufacturers in this country who have long been alive to the importance of these fields have been handicapped by the dearth of suitable travellers to introduce their wares. It is also acknowledged that the combination of a British pharmaceutical qualification with a fluent knowledge of some foreign language is uncommon, although there are some notable exceptions. Probably the language which the pharmaceutical aspirant to foreign experience could most profitably study at the present time is Spanish. Spain and, in particular, Spanish America constitute vast areas where British pharmaceutical and chemical products should be much more widely sold, but competent travellers are essential to trade development. The Spanish language presents no difficulty to the earnest student. A working knowledge can be obtained by taking courses of lessons at one of the many schools of languages which exist. With such institutions London is especially well served. With commercial firms the usual course followed is to place a new man in Spain to enable him to gain some experience before drafting him to the more difficult territory of South America. It may be added that for the would-be foreign traveller steady habits and a firm character are essential to enable him to withstand successfully the temptations that beset the path of the young and inexperienced traveller in foreign lands. The matter is worth the consideration of those pharmacists who have ambitions beyond the shop-counter and the dispensary.

Enemy Trade-marks in Australia.

The Australian Commonwealth "Gazette" for January 12 contained a supplement of thirteen pages, in which were given a large number of enemy trade-marks which have been "suspended" in favour of (1) the Minister of State for Trade and Customs, and (2) such person or persons as may from time to time be approved by the Attorney-General of the Commonwealth upon such terms and conditions as the Attorney-General thinks fit. Among the proclaimed marks are "Apenta" water, "Pebeco" tooth-paste, salvarsan, neosalvarsan, novocain, antipyrine, migranine, aristol, aspirin, helmitol, heroin, jothion, mesotan, protargol, trional, veronal, "No. 4711" eau de Cologne, sanatogen, lysol, formamint, albulactin, and cystopurin. It appears that by an act of grace three months is allowed within which all goods bearing these trade-marks are to be disposed of, after which offenders using the trade-marks will be liable to a penalty not exceeding 500*l*. This action of the Australian Government opens up several curious problems in connection with synthetic drugs. After April 12 other names will have to be found for the chemicals hitherto known under trade-mark names, but it is not easy to decide what will be the position of a chemist who fills a prescription ordering a synthetic drug under a proscribed name. The system of "avoiding" enemy trade-marks which has been adopted in this country to a limited extent has not been followed in the Commonwealth, and it will be noted that such words as antipyrine, aspirin, and lysol, which are open to anyone to use in the United Kingdom, cannot be employed after a certain date in Australia without incurring penalties. This position should be borne in mind by exporters.

Pharmaceutical Society of Ireland.

Council-meeting.

The Council met at 67 Lower Mount Street, Dublin, on March 14, the President (Mr. James Tate) in the chair. Other members present were Dr. J. A. Walsh, Messrs. John Smith, Thomas Batt, A. Owen Wells, W. F. Wells, and J. H. Bowden.

The Registrar (Mr. A. T. Ferrall) read a letter from Mr. David Warwick, M.P.S.I., thanking the Council for electing him as examiner.

Changes of Address.

Communications were received from the following, notifying changes in their addresses: Mr. Henry Fergusson, Ph.C., from 50 Drumcondra Road, Dublin, to 49 Dewhurst Road, West Kensington, London, W.; Mr A. E. Ferris, Ph.C., from Oughterard, co. Galway, to the Medical Hall, Ballybofey, co. Donegal; Mr. John Hall, Ph.C., to 50 Hatton Drive, Woodstock Road, Belfast; and Mr. David Warwick, Ph.C., 20 Upper Baggot Street, Dublin.

Preliminary Registration.

Messrs. J. McGuire, T. J. Smith, and J. McCheyne Thompson, who submitted certificates from the Board of Intermediate Education, were admitted to Preliminary registration.

The Registrar submitted a certificate of the death of Mr. George McAlister Blakely, R.D., of Belfast.

Re-election of Examiner.

On the motion of Mr. Smith, seconded by Dr. Walsh, Mr. R. S. Conyngham, M.A., M.P.S.I., was re-elected Examiner for the Preliminary examination.

Mr. James Joseph Cosgrove, Ph.C., Medical Hall, Newbridge, co. Kildare, was elected a member.

Business Changes.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

Bargate Drug-stores, Boston, has been transferred to Mr. E. A. Bailey, chemist and druggist.

The Offices and Works of Tommy's Cooker Co., Ltd., have been moved to 32 Brewery Road, London, N.

Kemp's Vulcanising Co., Ltd., manufacturers of druggists' sundries, have removed to larger premises at 48, 50, and 52 Hardman Street, Manchester.

Mr. George Cook, chemists' shopfitter, is removing to 29 Macclesfield Street, City Road, London, E.C., to which address all communications should be sent on and after March 25.

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

Industrial Research.

Under the head of scientific investigation the estimates for 1916-17 contain an item of 121,671*l*. Among the increases the principal item is an addition of 15,000*l*. to the vote for scientific and industrial research. Last Session 25,000*l*. was set aside for distribution "to promote the development of scientific research, especially in its application to trade and industry." For the coming financial year the grant will be 40,000*l*.

Registration of Firms Bill.

Lord Southwark, in the House of Lords on March 22, moved the Second Reading of the Registration of Firms Bill, this being the same Bill that was introduced last Session. Its object is to secure the effective registration of all persons and firms trading in this country in names other than their own. Business men, he said, are practically unanimous in favour of the Bill. It is imperative that such a Bill be passed before the close of the war, otherwise when peace came they will have what they had before: foreigners coming over here and starting business under assumed names. Lord Stanmore said the Government offered no objection to the Second Reading, and would agree to its reference to a Select Committee, but he could give no indication that it would be proceeded with in another place. Lord Sumner opposed the Bill on the ground that it imposed an unnecessary burden on the trading community. Lord Loreburn hoped the Bill would be sent to a Select Committee. The Lord Chancellor saw no objection to the Bill, which was read a second time, and referred to a Select Committee.

Recruiting.

During a debate in the House of Commons on March 21, Mr. W. S. Glyn-Jones spoke on the question of married attested men, for whom he asked fair play. It comes within my scope, said Mr. Glyn-Jones, to give advice to a not very large but fairly important class of the community—pharmacists, who were put in the reserved class. On the strength of the Government circulars I took it upon myself to advise these men to attest, saying that they would not be required to run the gauntlet of the Local Tribunals, but that the decision would rest with the Central Tribunal. A chemist wrote to him, continued the member, stating that he had had to go before the Local Tribunal, the Chairman of which was the chemist's only rival in the town, and the Tribunal ruled that the applicant could be spared from the town. That is not a risk which he (the speaker) or the Government should ask any man to make.—Mr. Walter Long, replying to the discussion, mentioned that the list of reserved occupations is being cut down very largely, but that it has been decided that men below a certain age in certified occupations shall no longer be exempt from military service. The age limit is to vary in different occupations. Men who have joined a reserved occupation since August 14, 1915, will not be in the same position as men who were at the same work before that period. He said that Mr. Glyn-Jones has spoilt his case, as the new procedure is not less just than the old one under which men were led to attest. There is still the right to go to the Appeal Tribunal to get decisions revised.

Shipment of Opium.

Mr. Samuel Samuel asked the Foreign Secretary on March 21 under what circumstances a permit has been granted by the War Trade Department to an unknown firm for the shipment of twenty-five cases of opium to Philadelphia; is he aware that a permit for a shipment was refused about a week ago to a British firm of ninety years' standing, all of whose partners but one are on active service in his Majesty's Forces at the different Fronts, and that the export of opium has been prohibited because the opium might be wanted in this country; and is he aware that dissatisfaction prevails in the commercial world owing to the discrimination and favouritism that is being shown in granting licences generally.

Mr. Bridgeman replied that the permit referred to in the first part of the question as having been granted was in respect of Indian opium, of which there is no shortage. The permit referred to in the second part as having been refused related to Persian opium. Indian opium is not a complete substitute for Persian opium, and it has been found necessary during the past few months, in view of the probable requirements of our hospitals, to restrict the exportation of Persian opium somewhat closely. The question of relaxing the prohibition can be considered as soon as further substantial supplies are in sight. He could find no ground whatever for the imputation contained in the last part of the question.

Mr. Samuel inquired whether any agreement had been arrived at between the British and American Governments to reduce the prohibition against the importation into the United States of Indian opium on account of it containing less than the legal limit of morphine.

Mr. Bridgeman: I must have notice of that.

The Bayer Co., Ltd.

In the House of Commons on March 15, Sir John Lonsdale asked the President of the Board of Trade if the enemy-owned firm of Bayer & Co., Ltd., is still carrying on business in this country, with offices in London, Manchester, and other places; if he is aware that at the new warehouses and offices which are being erected in Manchester for the company a large concrete sign on the roof has disappeared, and instead of the name Bayer & Co. on the windows, B. & Co. has been substituted, and that the firm in their trading circulars claim to be a British company; if he has considered the fact that the entire capital of the company, with the exception of twenty-four 10*l*. shares, is held by Germans resident in Germany, and that the parent company, the Farbenfabriken vorm. Fr. Bayer & Co., which holds 9,912 of 10,000 shares of the Bayer Co., is engaged in making poisonous gas and high explosives for the German army; and if he intends to wind up the business of this company under the powers of the Trading with the Enemy Act, 1916?

Mr. Runciman, in reply, said: I recently requested the Committee appointed to advise the Board of Trade on the application of the Trading with the Enemy Amendment Act, 1916, to consider the case of Bayer & Co., Ltd. As soon as a report is received from the Advisory Committee I will decide whether an order should be made requiring the business to be wound up.

Sir J. Lonsdale: Is the right hon. gentleman aware that the managing director holds only 20 shares, and that practically the whole profits of the company will go into the pockets of the German shareholders?

Mr. Runciman: I am not aware of the holding of the managing director.

Sir J. Lonsdale: Will it not be a scandal if the money made in the business is handed over to the Germans who are making poisonous gas for use against our troops?

No answer was given.

Chemical Society.

A Meeting was held at Burlington House, Piccadilly, London, W., on March 16, the President (Dr. Alexander Scott, F.R.S.) in the chair. The annual meeting will be held on March 30, the subject of the Presidential address being "Our Seventy-fifth Anniversary." The first paper at the meeting was by Mr. W. R. Innes on *Molecular Association*. It is known that hydroxy compounds give abnormal molecular weights when tested by the boiling-point method, using benzene or other solvents which are accepted as "associating solvents." There are two classes of these bodies. In the one the molecular weight increases rapidly with increasing concentration, reaching a value of about double the real value, at which point it remains steady. In the other class the molecular weight increases proportionately with the concentration, the curve being linear. Further, there is some slight influence with increasing temperature. The author has now tried the effect of using high concentration and the vapour-pressure of the solutions as a means of determining the molecular weights. The results are similar to those in dilute solutions. In some cases temperature has a marked effect, and it is found that certain groupings have a strong influence on the power of molecular association. Further, substances closely related to the solvent give normal results. Since when working in concentrated solution there can be little or no combination between solvent and solute, the only explanation of the abnormal molecular weight is one of association of the molecules, and this association must be mutual between solvent and solute, hence the solvents hitherto assumed to be unassociated must under these conditions become associated. The other paper was by Miss A. R. Watson on the *Synthesis of 8-Phenyl-benzo-γ-pyrone and α-Phenanthro-γ-pyrone*. This was read by Mr. Barger.

"Amateur Photographer."—The Empire number of this photographic journal was published this week. It is a good number, and contains many excellent photographic illustrations.

Associations' Winter Session.

Other meetings are reported under Insurance Dispensing Reports.

Society of Chemical Industry.—At the annual meeting of the Edinburgh and East of Scotland Section on March 15, Professor James Walker in the chair, Dr. J. P. Longstaff was re-elected Secretary. The following were elected to the Committee: Messrs. J. G. Annan, J. Rutherford Hill, D. S. Jerdan, W. A. Sim, and Allan Smith. Papers were read by Dr. S. A. Kay and Miss S. H. Newlands.—At a meeting of the Newcastle Section on March 15, Professor H. Louis in the chair, Dr. C. Budde read a paper on the by-products of esparto and their uses.

Brighton.—A meeting of the Brighton and Hove Association of Pharmacy was held at Messrs. Savage's, 109 St. James Street, on March 15, Mr. C. G. Yates in the chair. The meeting decided to give preference to British-made goods and to support Mr. Saunders' scheme for standardising the prices of proprietary articles. The Secretary introduced a scheme for a minimum retail price-list, but action was deferred for the present. Mr. C. G. Yates was appointed delegate to the Local Associations Conference in May. Steps are to be taken to secure the re-election of Mr. W. H. Gibson to the Council of the Pharmaceutical Society. The recruiting of chemists was discussed and a Sub-Committee appointed to draw up a scheme for the sale between chemists of unusual drugs, etc.

Chesterfield.—A meeting of the Chesterfield Pharmacists' Association was held on March 14, Mr. F. J. Houston in the chair. It was decided to support the candidature of Messrs. Deakin and Skinner for the Pharmaceutical Council election in May. The members decided to continue to refuse to dispense "Rep. mist." Insurance prescriptions. A minimum charge of 3*d.* is to be made for each sale of laudanum. Five guineas was voted to the Belgian Doctors' and Pharmacists' Relief Fund.

Doncaster.—A meeting of the Doncaster Association of Pharmacists was held on March 17, Mr. F. W. Playford (President) in the chair. After the correspondence had been dealt with, Mr. H. W. Stiles (Secretary) explained the position of pharmacists in regard to military service. A discussion on midday closing was deferred.

Eastbourne.—A meeting of the Eastbourne Pharmacists' Association was held on March 14, Mr. C. A. Harmer (President) in the chair. A resolution was passed affirming that the establishment-charge of 0.8*d.* is inadequate, and if it is not increased some other means of augmenting the remuneration of pharmacists will have to be considered. An establishment-charge of 1.5*d.* was suggested as acceptable.

Exeter.—A meeting of the Exeter Association of Pharmacists was held on March 16, Mr. E. Lemmon in the chair. It was agreed, as an instruction to the delegate at the Local Associations Conference, that the establishment-charge for Insurance dispensing should be calculated on the whole working-expenses of a business. Mr. Harris raised the question of the status of pharmacists in the Army, and a protest was made regarding the non-recognition of the pharmaceutical qualification.

Glasgow.—A meeting of the Council of the Glasgow and West of Scotland Chemists' Association was held on March 15, when it was decided that, as many chemists already close at 8 P.M., application should be made to have that hour inserted in the proposed closing order. Mr. John Murchie was appointed to represent non-panel chemists on the Joint Committee which is to deal with the question of recruiting.

Hartlepools.—A meeting of the Hartlepools Pharmacists' Association was held on March 16, Alderman T. Clarkson in the chair. It was decided not to accept the services of the Pharmaceutical Society for checking Insurance prescriptions, these duties having been undertaken by the Pharmaceutical Committee. An Advisory Recruiting Committee was appointed, consisting of Messrs. T. Clarkson, A. Timmins, and G. S. Gibson. Mr. T. D. Pattison was nominated as a representative on the West Hartlepool Insurance Committee, and Messrs. Clarkson and Timmins on the Pharmaceutical Service and Joint Service Sub-Committees.

Huddersfield.—A meeting of the Huddersfield Chemists' Association was held on March 20, Mr. Vincent Shaw (President) in the chair. The question of the arrangements to be made for exemption of chemists from military service was discussed. Mr. R. C. Walshaw (delegate to the meeting of the Yorkshire Federation of Chemists' Associations) was instructed in regard to the proposals which would be considered by the Federation. Mr. Walshaw's name is also to be submitted as a member of the Local Associations Executive.

Hull.—A meeting of the Hull Pharmaeists' Association was held on March 15, Mr. I. W. Chapman in the chair. It was decided to join the Federation of Yorkshire Chemists' Associations. Messrs. Sellè and Sawyer were appointed delegates to the Local Associations Conference in May. A discussion then took place as to improvements that are needed in the Drug Tariff. It was decided for the present to concentrate on the question of obtaining a higher establishment-charge. The matter of appointing a checker for Insurance prescriptions was, after discussion, postponed. It was decided to support Messrs. J. W. Deakin and H. Skinner as candidates for the Pharmaceutical Council election in May. Mr. Foster (Cottingham) and Mr. H. P. Waterworth (Milburn's) were elected members. Mr. Sellè then explained the steps that have been taken to form a Joint Committee to deal with the question of chemists' recruiting.

Lancashire (N.E.).—A meeting of the North-East Lancashire Chemists' Association was held on March 16, Mr. R. Lord Gifford, J.P., in the chair. Progress was reported with the work of the Joint Committee on the recruiting of chemists. Chemists have agreed to send all Insurance prescriptions to the Local Secretary, who will deliver them to the Pricing Bureau at Bolton. The Chairman made appropriate reference to the death of Mr. Newsholme and to the work he had carried out in organising the trade. It was decided to establish a minimum price for the sale of scheduled poisons.

Leith.—A meeting of the Leith Pharmacists' Association was held on March 16, Mr. Noble (President) in the chair, to discuss the calling-up for military service of pharmacists in business. Mr. J. Rutherford Hill explained fully the position and was accorded a vote of thanks.

Liverpool.—A meeting of the Liverpool Chemists' Association was held on March 15, Mr. W. P. Evans (President) in the chair. The following were elected members: Miss Dann Messrs. Gould, Jenner, Stephen Jones (Rock Ferry), Nelmes, J. Cleworth (Manchester), and W. Kirkby, M.Sc. (Manchester). It was agreed to nominate Mr. L. Moreton Parry for the Council election of the Pharmaceutical Society. Messrs. W. H. Clubb and D. H. Evans were appointed delegates to the Local Associations Conference. Mr. James Tate (Belfast), President of the Pharmaceutical Society of Ireland, then delivered an address entitled *Chemists, Wake Up!* As representing the Ulster Drug-trade Association, Mr. Tate referred to the efforts that had been made by that Association to control the prices of proprietary medicines, and then he went on to urge the necessity of uniting against the common foe—Germany. The British chemist must henceforth receive more encouragement from the Government and the public. In the meantime all must unite in their efforts to remove every trace of the enemy's goods from the country, and to make British manufactures supreme. The speaker gave an instance of what had been done in his own business in selling British-made eau de Cologne. He then proceeded to refer to the need for advertising, organising, and enterprise in the drug-trade, and had some remarks to make regarding wholesale houses and their representatives. A vote of thanks was accorded to Mr. Tate, on the proposition of Mr. W. H. Saunders, seconded by Mr. John Bain.

London (Co.).—A meeting of the executive of the London County Pharmaceutical Association was held at 17 Bloomsbury Square, London, W.C., on March 21, Mr. Edmund White (President) in the chair. It was decided to ask for more delegates to represent the Association at the Local Associations Conference. The following matters were recommended for discussion at the Conference: Commissioned rank for pharmacists in the Navy and Army; constitution of the Local Associations Conference; interpretation of dispensing-fees; wine-licences. A draft copy of a minimum retail price-list was submitted, but referred back for reconsideration.

Merthyr Tydvil.—A meeting of the Merthyr Tydvil Pharmacists' Association was held on March 15, Mr. V. A. Wills (President) in the chair. The President was appointed delegate to the Local Associations Conference. The position of chemists under the Military Service Act was discussed.

Southampton.—The annual meeting of the Southampton Pharmacists' Association was held on March 8, Mr. W. Martin (President) in the chair. The Secretary's report and balance-sheet were approved and the following officers elected for the ensuing year: *President*, Mr. W. Martin; *Vice-President*, Mr. H. Ferryman; *Treasurer and Librarian*, Mr. H. Jewell; *Hon. Secretary*, Mr. F. B. Wride; *Auditor*, Mr. Benest; *General Committee*, Messrs. W. A. Atkinson, W. Bates, W. A. Clark, P. G. Eley, A. L.

Hodges, H. R. Hussey, W. R. Jones, W. Riddle, and C. H. Wilkins. A Sub-Committee was appointed to report on a scheme for a minimum retail price-list.

West Ham.—The annual meeting of the West Ham, East Ham, and Metropolitan Essex Association of Pharmacists was held at Earlham Hall, Forest Gate, E., on March 16. It was resolved to contribute towards the election expenses of the candidates for the Council of the Pharmaceutical Society whom the Association is supporting. The candidates selected are Messrs. Deakin and Skinner. The report and accounts were approved of, and the following officers elected for the ensuing year: *President*, Mr. W. T. Johnson; *Vice-President*, Mr. J. Kirkpatrick; *Committee*, Messrs. Mitchell, Potter, Lloyd, Miller, Mays, Matthews, and Catto; *Auditors*, Messrs. Cleland and Desmond; *Hon. Secretary and Treasurer*, Mr. F. Walter Gwinn, 52 Skelton Road, Forest Gate, E. Messrs. Johnson and Kirkpatrick were appointed as delegates to the Local Associations Conference. The retiring officers were thanked for their services during their year of office.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

With special reference to the supply of medicines and appliances.

ENGLAND.

Derbyshire.—The joint conference of members of the Medical Benefit, the Pharmaceutical, and Panel Committees reported to the Insurance Committee that the medical men do not desire to supply emergency dressings and medicines, and it was recommended that chemists supply these as hitherto, but at an establishment-charge of 1*s.* each prescription. The use of "Rep. mist." prescriptions was agreed to during the continuance of the war on condition that a local Formulary is not introduced; but as there is some doubt about this matter the Commissioners are invited to give an opinion.

Devon.—A meeting of the Pharmaceutical Committee was held at Exeter on March 15. Mr. T. F. March (Torquay) and Mr. H. Wippell Gadd were appointed delegates to the Local Associations Conference in May. Other matters dealt with were a resolution from the Cardiff Association regarding the Proprietary Articles Trade Association, the compilation of a minimum retail price-list, the recruiting of panel chemists, and the Pharmaceutical Council election. The Secretary was instructed to write to the Pharmaceutical Society expressing the opinion that there is an enormous wastage in the dispensing of drugs, particularly when they are of a proprietary nature, and that this should be taken very seriously into consideration in fixing or reconsidering the establishment-charges.—An inquiry under Part VI. of the National Health Insurance (Medical Benefit) Regulations (England), 1913, was held at the Castle, Exeter, on March 21, to investigate a representation which has been made to the Insurance Commissioners by the Medical Committee for the County of Devon that the continuance of Dr. John Hall Clements, of Winkleigh, Devon, upon the panel is prejudicial to the efficiency of the medical service of the insured.

Hertfordshire.—The Insurance Committee met on March 20. The Clerk was instructed to issue notices to medical men regarding the conditions upon which "Rep. mist." prescriptions may be written. Mr. A. J. Sheffield, chemist and druggist, asked to be released from his dispensing contract, as his assistants have enlisted and he cannot stand the strain single-handed. The matter was not decided at the meeting. A Sub-Committee was appointed, as requested by the Commissioners, to deal with the recruiting of panel chemists.

Kent.—A meeting of the Insurance Committee was held at Maidstone on March 22. The Clerk was instructed to afford the Pharmaceutical Society reasonable facilities for the purpose of checking prescription-pricing. The Medical Benefit Sub-Committee's report stated that the resolution regarding the provision of duty-free alcohol had been acknowledged by the Chancellor of the Exchequer, who pointed out that duty-free spirit is provided in the form of methylated spirit, and that duty-free pure spirit can be obtained on certain conditions. Letters from members of Parliament on the same subject had also been received.

Lancashire.—A special Sub-Committee has reported to the Insurance Committee that the new prescription-pricing system is estimated to cost 1,546*l.* more during its first year than was spent on this matter during 1915. There are, however, possibilities of refunds from the Commissioners.

London.—The Insurance Committee met at the County Hall on March 23. The Finance Sub-Committee recommended that chemists' accounts for January prescriptions be paid on April 15, instead of March 15, because of the delay in putting the scheme in operation. Premises are to be taken at Highbury for the accommodation of the Drugs and Appliances Department. It was recommended that the name of a German doctor on the panel be removed, as he returned to Germany last July. Particulars were given of several cases of complaints against panel doctors.—The Pharmaceutical Committee met on March 14 and sent a protest to the Insurance Committee and the Commissioners against the delay in paying accounts. The Committee decided to bear the cost for six months of supplying to chemists, particulars regarding cost of drugs, dispensing-fees, and establishment-charges. A complaint having been made against a chemist on the question of pharmaceutical ethics, the Committee expressed the opinion that chemists should be warned against being led into discussion with patients or their agents concerning the probable nature of a patient's illness.

Plymouth.—The Pharmaceutical Committee met on March 14, when it was reported that a payment of 6½*d.* per script had been made for February, but there has been no settlement for January as the Bristol Pricing Bureau has not finished the work for that month. The Secretary was asked to obtain the opinion of panel chemists regarding the advisability of joining the Pharmaceutical Society's Checking Bureau. The steps taken in regard to the military service of pharmacists were mentioned. The Joint Committee is to meet the military representatives on March 23.

Staffordshire.—The Insurance Committee had before it a report on the cost of Insurance dispensing for the last three quarters of 1915, and it was reported that the prescribing of three doctors had exceeded the average cost per insured person. The Panel Committee is to investigate the question of extravagant prescribing.

Surrey.—A meeting of the Insurance Committee was held on March 22 at the Caxton Hall, Westminster. Reports from various Sub-Committees are to be considered. The Medical Benefit Sub-Committee have been advised by the Commissioners that the amount allowed for the expenses of the Pharmaceutical Committee should not exceed 330*l.* A complaint against a panel doctor has been investigated by the Medical Service Sub-Committee, and found to be unfounded. The Finance Sub-Committee recommended that a further sum of 22*l.* 19*s.* 4*d.* be paid to the Pharmaceutical Committee for administrative expenses during 1915. An advance of 40*l.* had already been made. An advance of 50*l.* is recommended to be made for 1915. The steps taken to prevent undue depletion of the ranks of panel chemists by recruiting were reported.

SCOTLAND.

Arbroath.—When the circular from the Commissioners regarding the enlistment of panel chemists came before the Insurance Committee on March 21, Ex-Bailie Smith said he did not think that chemists should have any more consideration from a Tribunal than any other class in the town. If a man is serving the public by dispensing drugs under the National Insurance Act or any other Act he deserves to have fair and reasonable consideration; but if, on the other hand, such a man is simply hiding behind the fact that he is dispensing medicines, he did not think that man should be relieved from taking his full share of responsibility.

Glasgow.—The Pharmaceutical Committee met on March 16, and representatives were appointed to a conference regarding the practice of writing "Rep. mist." prescriptions. Arrangements were made for dealing with the recruiting of chemists.

WALES.

Carmarthenshire.—The Insurance Committee has decided to pay 85 per cent. of the amount of chemists' accounts for the last quarter. Steps are to be taken to prevent the writing of "Rep. mist." prescriptions. The Drugs Committee recommend an increase of 50 per cent. in the fees for after-hours prescriptions which are marked "Urgent." Arrangements were made for dispensing by doctors at Llandovery, where the only panel chemist is ill and unable to dispense.

Newport (Mon.).—The Insurance Committee met on March 16, and it was agreed to fall in with the scheme for a central prescription-pricing bureau if other Welsh Insurance Committees join. The Pharmaceutical Committee wrote that it is not prepared to contribute to the cost of a statistical analysis of last year's prescriptions, and submitted an estimate of 31*l.* 6*s.* 8*d.* for administrative expenditure.

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, E.C., March 23, 6.30 p.m.

As is usual at the end of the quarter, there is evidence of a quieter tone in the chemical and drug markets, especially on the part of the home trade. Values of many of the synthetic pharmaceutical products are not tempting, and buyers hesitate to pay the prices asked until actually compelled. Among the principal changes are an advance of 10*s.* per cwt. in soda tartarata, and one of 7*s.* 6*d.* in pulv. seidlitz. The tension in citric and tartaric acids is still acute. Ammonia sulphate is easier; copper sulphate firmer. Cod-liver oil is easier with an improved fishing, with buyers much averse to pay present high prices; gentian and Persian galls are extremely scarce; honey is also scarce and in good demand. Menthol and opium quiet but firm; Japanese wax dearer.

Higher	Firmer	Easier	Lower
Acetic acid Antimony (Ch. cr.) Cocaine Formaldehyde Honey Petroleum Pulv. seidlitz Soda tartarata Wax, veget. (Jap.)	Bergamot oil Citric acid Coconut oil Copper sulphate Ginger (African) Gum acacia (Sudan) Lemon oil Wood oil, Chinese (c.i.f.)	Ammonia sulphate Cod-liver oil Ergot Peppermint oil (Amer.)	Linseed oil Turpentine

Acetanilide is offered at 8*s.* 6*d.* As soon as larger supplies of aniline oil are available a larger production is expected in this country.

Acetic Acid.—Makers have again raised their price of glacial, asking 240*s.* per cwt. in carboys; 80-per-cent. commercial has been sold in casks at 150*s.*, which represents a much lower parity.

Acetyl-Salicylic Acid.—The demand is difficult to satisfy, and makers are full of orders at present prices.

Aconite.—Sales of Japanese have been made at 50*s.* on the spot.

Albumen.—At auction on March 16, 102 cases Chinese hen were bought in at from 2*s.* 9*d.* to 3*s.* 2*d.*; 17 cases (naval prize) sold at 2*s.* 6*d.* to 2*s.* 7*d.* for siftings.

Amidopyrin.—The demand has become brisk again, and a fair amount of business has been done.

Ammonia Sulphate.—London is 2*s.* 6*d.* lower at from 15*l.* 17*s.* 6*d.* to 16*l.* per ton net naked at works for 25-per-cent. ammonia for prompt delivery; Hull prompt is 16*l.* 12*s.* 6*d.*, Liverpool is 16*l.* 15*s.*, and Leith is 16*l.* 17*s.* 6*d.* per ton, less 3½ per cent. in bags f.o.b.

Anise Oil (Star).—"Red Ship" brand is quoted at 3*s.* 4*d.* on spot; with the advance in silver c.i.f. prices are higher.

Bismuth Subnitrate.—Prices vary between 13*s.* and 15*s.* per lb. according to holder.

Camphor (Refined).—Steady, with sales of Japanese 2½-lb. slabs for February-March shipment at 1*s.* 7*d.* c.i.f.

Cardamoms.—The Ceylon Planters' Association, in the course of their annual report for 1915, state that the exports for 1915 reached 519,039 lb., against 404,070 lb. in 1914. This increased output is principally due to the fact that in 1914 a large quantity was held back owing to the low prices ruling at the end of that year. The falling-off in the shipments to Germany, Sweden, and Turkey has had the effect of depressing the market, and prices were very irregular during 1915. The weather during the first half of the year was suitable, but owing to the partial failure of the north-east monsoon the crop for 1916 will be short, and shipments will not exceed 450,000 lb.

Cassia Lignea.—At auction 20 packages sold, comprising fair selected whole at 74*s.* 6*d.* and selected broken at 63*s.*

Castor Oil.—English medicinal in barrels on spot is offered at 85*s.*, and first pressing for prompt delivery at 76*s.*; medicinal Italian in cases on spot is 117*s.* net. In Liverpool good seconds Calcutta is 7*d.* to 7¼*d.* on spot.

Citric Acid is still very scarce, with 3*s.* 6*d.* quoted for prompt delivery.

Cloves remain firm, with spot sales of fair Zanzibar at 7¾*d.* To arrive the sales include January-March at 7 7/32*d.* to 7¼*d.* c.i.f., and February-April 7¼*d.* to 7 3/16*d.* c.i.f.; June-August delivery has been done at 7 11/16*d.* In auction nine cases from Penang were bought in at 1*s.*

Cocaine.—For April delivery limited quantities are offered at several shillings below what spot holders ask.

Cochineal.—Demand has been good recently, and stocks of both black and silver grain extremely small.

Cod-liver Oil.—The new Lofoten fishing, judging by results, appears to be developing in a favourable manner, and the tendency is weaker, buyers preferring to look on. Quotations for finest new medicinal Lofoten oil range from 450*s.* to 460*s.* per barrel c.i.f.

Our Bergen correspondent writes on March 13 that the reports of the Norwegian cod-fisheries give the following results:

	1913	1914	1915	1916
Lofoten.				
Catch of cod (millions) ...	2.8	6.3	7 1	4.1
Yield of c.l.o. (hect.) ...	1,800	5,200	6,300	5,300
Whole of Norway.				
Catch of cod (millions) ...	13.8	27	23.7	12
Yield of c.l.o. (hect.) ...	10,400	22,300	23.000	16,600

It will be seen that there is a certain improvement, and as the herring-fishery will shortly be closed, more fishermen will be available for the cod-fishing, and one may hope for a further improvement if the weather permits. The market is still rather unsettled. Buyers are keeping aloof, and last quotation of 485*s.* per barrel c.i.f. for prime non-congealing oil is merely nominal.

Copper Sulphate is dearer at 49*l.* 10*s.* per ton for the usual Liverpool brands.

Egg-yolk.—At auction on March 16, 83 casks and 54 cases liquid offered, and ten cases sold at 52*s.* 6*d.* A Naval Prize of 343 casks Chinese liquid offered, and 328 sold (not to be used for human consumption) at 1*s.* per cwt.

Epsom Salt is quoted at from 11*s.* to 14*s.* 6*d.* per cwt. as to quantity and quality, the latter being for good druggists'.

Ergot.—Fair arrivals have taken place from Spain and Portugal; the spot values are from 2*s.* 4*d.* to 2*s.* 5*d.*

Galangal.—The spot value of fair is 45*s.* per cwt.

Galls.—Chinese are very firm, the sales including ordinary shape at 90*s.* c.i.f. for March-April shipment, and plum-shaped at 110*s.* c.i.f. and buyers. Persian do not exist; buyers would probably pay 180*s.*

Gentian.—A lot of 116 bags has arrived from Spain on a very bare market. 80*s.* per cwt. appears to be the nominal value on spot.

Ginger.—Small lots of Sierra Leone have been sold at 42*s.* 6*d.* per cwt. in Liverpool, being firmer. In London, common Cochin is quoted at 42*s.* 6*d.*, fair 45*s.*, and good washed at 47*s.* 6*d.*

Gum Acacia.—Holders of fair Sudan sorts ask 70*s.* on the spot and 60*s.* c.i.f. for March-April shipment, which has been paid.

Hexamine is quoted at from 3*s.* 9*d.* to 4*s.* 3*d.* per lb. net.

Honey.—Very scarce and in good demand. In Liverpool, supplies of Chilian in first hands have been cleared, some good lines having been sold at from 31*s.* to 32*s.*, but 36*s.* would probably be paid for No. 3. Second-hand holders in London of California ask 50*s.*

Hydroquinone is offered at 35*s.*

Menthol.—Quiet but firm at 13*s.* 6*d.* to 13*s.* 9*d.* spot for Kobayashi-Suzuki. Arrival market has been quiet, the sales including Suzuki at 12*s.* 9*d.* c.i.f.

Mint Oil.—The spot value of Japanese dementholised is 4*s.* 4½*d.* for Suzuki, and 4*s.* 6*d.* for Kobayashi; small sales are reported, also to arrive, February-March and April-May shipments at 4*s.* c.i.f.

Musk (Artificial).—Xylol is offered at 40*s.* per lb.

Nux Vomica.—Quiet, but firm on spot, with sales of Cochin at 25*s.*; Madras and Calcutta are also offered at 25*s.*

Oils (Fixed).—*Linseed* is 3*s.* 9*d.* lower at 40*s.* 3*d.* in pipes and 41*s.* 3*d.* in barrels on the spot; April, 40*s.* 3*d.* *Cotton-seed* is steady at 43*s.* 6*d.* for crude in pipes, 48*s.* 6*d.* for

refined in pipes, and at from 52*s.* to 53*s.* for sweet refined in barrels, all on spot. Ceylon *Coconut* is firmer at 61*s.* in hogsheads and 60*s.* in pipes, both on spot; Cochin is 61*s.* to 62*s.* 6*d.* on spot, and London pressed is 52*s.* 6*d.* Ordinary brown crude *Rape* is scarce and nominal; British refined in barrels is 55*s.* to 56*s.*; Japan in cases is 47*s.* c.i.f. afloat. *Soya* oil is dearer at 38*s.* 9*d.* for Manchurian in cases on passage, and 39*s.* for March-April. Hull (spot) extracted and crushed is easier at 41*s.* 6*d.* Lagos *Palm* is firm at 48*s.* 6*d.* spot, and in Liverpool 43*s.* is quoted. Chinese *Wood* to arrive is quoted at 50*s.* per cwt. c.i.f.

Olive Oil.—Best South of France eating oils are dearer at 7*s.* 6*d.* per gallon.

Opium remains firm but quiet, good druggists offering at 34*s.* to 35*s.* per lb., with small stocks of this description; soft manufacturing (13½ per cent.) has been sold at 38*s.* 6*d.* Persian (10 per cent.) is quoted at from 24*s.* 6*d.* to 25*s.* Arrivals of Indian opium comprise 224 cases from Bombay.

Orange Peel.—Further arrivals of new crop have taken place, the value of which is 1*s.* 11*d.* for good.

Paraformaldehyde is quoted at from 3*s.* 3*d.* to 3*s.* 6*d.*; it may go dearer in sympathy with formaldehyde.

Pepper.—Quiet, with fair black Singapore offering at 8½*d.*, Tellicherry 9*d.*, and Lampong 8½*d.* on spot; fair white Singapore is 10⅝*d.*, Muntok 10⅞*d.*, and Penang 10¼*d.* on spot.

Peppermint Oil.—American tin oil on the spot is rather easier at 8*s.* 9*d.* for good brands, with 8*s.* 6*d.* net c.i.f. quoted for shipment.

Petroleum has advanced 1*d.* per gallon to 11*d.* for ordinary refined American, and 1*s.* for water-white. Petroleum spirit is 2*s.* 1*d.* to 2*s.* 3*d.* per gallon, duty paid.

Podophyllin Resin of U.S.P. quality is quoted at 14*s.* per lb.

Potash Carbonate.—A limited quantity just arrived can be had at 170*l.* per ton for 90 to 92 per cent.

Potash Chlorate.—At 2*s.* 4*d.* per lb. only small lots of ordinary are available, 2*s.* 9*d.* being quoted for chemically pure.

Potashes.—First Montreal remain strong and scarce owing to freight difficulties: 162*s.* 6*d.* to 165*s.* are the spot quotations.

Pyrogallic Acid.—Crystals are offered at 11*s.* 6*d.*, and resublimed at 12*s.* per lb.

Quinine.—The position is unchanged, second-hands quoting 3*s.* 6*d.* to 3*s.* 9*d.* per oz. for the usual brands. Makers' prices continue firm, with fair quantities being booked for early delivery.

Resorcin is obtainable at 80*s.* per lb.

Salicin is quoted at from 20*s.* to 20*s.* 6*d.* per lb. net as to quantity.

Salicylic Acid.—In further reference to the paragraph last week, it appears that an injustice has been done to the English makers, who, we are authoritatively informed, are rapidly increasing their output—so much so that it may not be necessary in the near future to import so freely. Those firms who were wise enough to place their contracts early with the English makers are now able to get delivery. There is, of course, some difficulty in getting prompt delivery from makers, but such is obtainable from the second-hand dealers, especially those who have made contracts with English makers. The quotation for English make (guaranteed B.P.) is about 15*s.* to 16*s.* per lb. for early delivery, and for immediate delivery from second-hands, buyers would have to pay about 17*s.* 6*d.* to 18*s.*

Salol is offered at 42*s.* 6*d.* per lb.

Soda Hyposulphite is quoted at from 17*l.* 10*s.* to 18*l.* 10*s.* per ton ex wharf. It is anticipated that prices will have to be advanced, owing to U.S.A. freight difficulties.

Soda Tartarata.—Howards' have advanced their price by 10*s.* per cwt. to 134*s.* for powder or crystals in 5 cwt. casks, and to 137*s.* in 28 lb. parcels. *Pulv. seidlitz* is 7*s.* 6*d.* per cwt. higher at 107*s.* 6*d.* in 5 cwt. casks, and 109*s.* 9*d.* in 28 lb. parcels, without engagement.

Tartaric Acid is dearer at 3*s.* 6*d.* per lb. nominally.

Terpene Hydrate.—Sellers quote 2*s.* 6*d.* per lb., which is cheap, in view of the high price of turpentine.

Terpineol is still selling at 3*s.* 6*d.* per lb.

Turmeric is scarce and dear, the sales including Madras finger at from 42*s.* 6*d.* to 45*s.* as to quality. Cochin split bulbs are 22*s.* 6*d.*

Turpentine is 1*s.* 3*d.* lower on the week, closing at 48*s.* 6*d.* for American on spot.

Vanillin is offered at from 42*s.* 6*d.* to 43*s.* 6*d.* per lb.

Wax (Japanese) is dearer and very scarce on spot, 75*s.* being asked; to arrive April-May shipment is 73*s.* c.i.f.

Continental Drug and Chemical Markets.

The following notes chiefly refer to the Hamburg and Berlin markets under date of March 4 and 5, 1916:

—	Marks per 100 kilos.	Remarks
Acetanilide ...	400 to 450	Demand increased.
Balsam copaiba	375 to 450	Dearer.
Borax	350 to 360	Active.
Boric acid ...	440 to 450	Active.
Cadmium metal	*16 to 17	Dearer.
Calabar beans ...	260 to 275	Dearer.
Cevadilla ...	425 to 450	Much dearer.
Citric acid ...	*14.50	Prompt delivery.
Do.	*13.50	March delivery.
Cream of tartar	700 to 725	Dearer; large inquiry.
Elemi	350	According to quantity.
Gum acacia ...	260 to 265	Natural Kordofan.
Do.	280 to 320	Better qualities.
Lycopodium ...	*10.50 to 10.75	Very scarce; dearer.
Naphthaline ...	35 to 38	Crystals.
Quillaia, whole	177.50	Firm; moderate sales.
Do., cut ...	185 to 190	
Senega	1,250	Western.
Do.	1,400	Southern.
Shellac, T.N.	700 to 725	Very firm.
Tartaric acid ...	*12.50	Higher on an increased demand.
Vanillin ...	*98 to 99	Expected to advance.
Wax, bees' ...	470	Bleached.

* Per kilo.

Amyl Acetate and Amylic Alcohol, technically and chemically pure, have been advanced by m.65.

Balsam Peru has lately been sold in enormous quantities for army purposes, and stocks have greatly diminished. Prices have advanced to from m.39 to m.40 per kilo. for D.A.B. 5, and from m.45 to m.46 for original import.

Bromine Preps., the prices of which were extremely low since November 1915 on account of keen competition between makers, suddenly advanced on February 26 to more than twice the former prices. Potassium is from m.300 to m.310, sodium from m.360 to m.390, and ammonium from .390 to m.420. The makers offer only small lots.

Calcium Carbide.—The "Allgemeine Carbid-Verkaufsgesellschaft" has fixed the price for deliveries from April 1, 1916, to March 31, 1917, at from m.39.70 to m.40.40 per 100 kilos. The demand has much increased, but makers have increased their output.

Cantharides.—Small quantities are still to be had at from m.42 to m.45 per kilo.

Cascara Sagrada has advanced to from m.320 to m.340.

Cassia Fistula has advanced to m.40 per 100 kilos.

Chloral Hydrate has advanced considerably to m.520 to m.550 per 100 kilos.

Chloroform has advanced to m.300 to m.320 per 100 kilos.

Chrysarobin has advanced to m.42 to m.43 per kilo.

Collodium has been advanced by m.25 per 100 kilos.

Condurango has been sold in rather large quantities at steadily advancing prices at from m.1.25 to m.1.30 per kilo.

Ethyl Acetate has again been advanced by m.30 per 100 kilos.

Iodine.—Representatives of German firms have made contracts with Sweden for the supply of kelp.

Linseed Oil.—The Amsterdam quotations are firm at 48.50fl. per 100 kilos. on N.O.T. conditions. In the German markets the demand is very active, but only very small quantities are offered. Substitutes for painting- and dyeing-purposes are offered at from m.120 to m.145 per 100 kilos.

Lithia Carb. has advanced to m.40 per kilo.

Menthol.—Interest is increasing, and from m.52 to m.52.50 has been paid.

Mercurials have advanced 20 per cent.; corrosive sublimate is m.700 to m.720, and mercuric chloride m.820 per 100 kilos.

Oils (Essential).—*Star-anise* is m.18. *Bergamot* m.42. *Clove* is m.22. *Eucalyptus Globulus* is m.6.50. Ceylon *Lemongrass* m.7.50. *Lime* is m.15. *Menthol* is dearer; m.56 has been paid of late. Japanese *Mint oil* is active at from m.23 to m.24. Siberian *Pine-needle oil* is still m.6. For *Sandalwood oil* m.63 is asked. It is a remarkable fact that Dutch makers' prices are so much higher at m.83.75.

Quicksilver is extremely active at the advanced rates of from m.315 to m.325 per bottle of 34.5 kilos.

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Rice-flour has been advanced by the "Verkaufsgesellschaft" by m.10 per 100 kilos. for all qualities, in consequence of increasing scarcity. Ordinary rice-starch is m.134, and cream-starch m.140.

Salicylates have been advanced by m.½ per kilo. by the Convention. Quotations are from m.340 to m.370 for salicylic-acid powder, from m.380 to m.410 for crystals salicylic acid, from m.400 to m.430 for powdered sodium salicylate, and from m.440 to m.470 for crystals. *Salol* has been advanced by m.1 per kilo., and is at from m.5.75 to m.6 per kilo.

Thymol has been sold at m.80 per kilo.

Arrivals of Chemicals, Drugs, etc.

The following is a selection of arrivals during the period March 15 to 21 inclusive in the English ports named. Goods in transit are not included. The figures refer to the packages—*e.g.*, cases, bags, barrels, boxes, kegs, etc. The weights, when known, are specified:

To London.

Acetanilide (N.Y.) 23
Acetic ac. (R'dam) 155 blns., (N.Y.) 30 cs.
Albumen 374
Alcohol (N.Y.) 100
Aloes (N.Y.) 18 cs., (Cape) 50
Alum (U.S.A.) 150
Ammon. phosph. 103
Anise, star 75
Antim. ore 4,229
Arsenic 11
Barytes (U.S.A.) 80, (It.) 530
Calc. carbide 850
Calc. cit. (Sic.) 153
Calc. phosph. 200
Cananga oil 1 dm.
Canary-seed (Mor.) 4,086
Cantharides 30
Caraway-seed 40
Cardamoms 65
Cascarilla 16
Casein (N.Z.) 140
Cashew-nuts 935
Cassia 3,309 pkgs.
Cassia fist. (Amst.) 20
Castor oil (E.I.) 70
Cinnamon 50
Cinn.-leaf oil 41 cs.
Citronella oil 73 dms., (Java) 15 dms.
Cloves (Pen.) 60
Cochineal 342 bgs.
Cocoa butter (U.S.A.) 25
Coconut oil (Cochin) 185 pps.
Copra 34,701
Coriander 1,494
Corros. sub. (It.) 13
Cream tart. (It.) 200 brls.
Cumin-seed 232
Cuttlefish 201
Dental cream 901
Dextrin 100
Drugs and chem. prod. (N.Y.) 960 pkgs., (Fr.) 129
Dyes (China) 80
Egg-yolk (Ch.) 1,167
Ergot (Sp.) 47
Essent. oils (It.) 130, (N.Y.) 24, (Sp.) 5
Eucal. oil 22 dms.
Farina (N.Y.) 220
Fellows' syr. 452
Fenugreek 1,848
Formic ac. 36 blns.
Gallic acid (Fr.) 16
Galls (Ch.) 154, (Naples) 610
Gelatin (Fr.) 94
Gentian 116 bgs.
Glucose 237
Gum acacia 600
Gum copal 666
Gum damar 356
Gum kauri 67
Gums (Morocco) 455
Henna (Suez) 103
Honey (Fr.) 20 cks.
Indigo (E.I.) 657
Ipecac (E.I.) 25
Kola (Java) 46
Lemongrass oil (E.I.) 17 dms.
Linseed (E.I.) 10,674 bgs., (R. Plate) 3,040 t.
Liquorice-juice 477
Liquorice-root 20
Magnesia 585
Medicines (U.S.A.) 1,178
Mercurials (It.) 23 cs.
Milk-powder 350
Mustard-seed 308
Myrrh 12 cs.
Nut oil (Amst.) 320
Nux vom. 1,663
Olibanum 25
Olive oil (Sp.) 1,859 brls. 10 cs., (It.) 25 cks. 34 brls. 116 cs.
Oils (Japan) fish 4,700, rape 2,500, shark 2,000, soya 16,220, sperm 600, whale cs. 2,000, (Natal) 675 dms
Opium (Lisbon) 78, (B'bay) 224
Papain 36 cs.
Pepper (S'pore) 5,242
Peppermint oil (Am.) 126
Perfumery (Fr.) 394
Potash (Norway) 28
Pot. permang. (Fr.) 20 cyl.
Quinine 55 cs.
Rhubarb 20 cs.
Roots, barks, herbs, etc. (N.Y.) 41
Saccharin (Fr.) 13 cs.
Saltpetre (E.I.) 200
Sandalwood 99
Sandarac 64
Sarsaparilla 13
Senna (Alex.) 17
Shellac 400
Soda hypo. (N.Y.) 896
Soda pruss. 20
Soy 200 cks.
Spermaceti 200
Sticklac 250
Sulphur 14,255
Tart. acid (It.) 40 brls. 200 cs.
Theobromine 4
Turmeric (E.I.) 643
Turpentine (U.S.A.) 5,500, (Sp.) 2,082
Urea (Swed.) 10 cs.
Vanilla 4 cs.
Wax, bees' (Mor.) 146, (Cal.) 22
Wax, veget. 50
Witch-hazel ext. 6
Wood oil 15
Wood spirit 100

To Liverpool.

Acetic ac. (N.Y.) 577 brls.
Alcohol 40 cks.
Aloes (N.Y.) 115 cs.
Ammon. sulph. (N.Y.) 200
Antimony 6,757
Arsenic 41 cks.
Balsams (N.Y.) 10
Borax (Norw.) 5,390
Canary-seed 1,325
Castor oil (E.I.) 1,499 cs.
Cochineal 74 bgs.
Coconut oil (Cey.) 294 pps.
Cream tart. (Sp.) 10 cks.
Drugs (Fr.) 219 cs., (N.Y.) 39, (St. John's) 40 cs.
Essent. oils (It.) 25
Gum acacia 40
Lemon oil (It.) 11 cs.
Liquorice-juice (It.) 133
Olive oil (It.) 127 cks. 300 bxs., (Sp.) 3,028 brls.
Palm-kern. 47,017 bgs. 127 t.
Palm oil 739 cks.
Peptone (N.Y.) 20
Perfumery (Fr.) 77
Potashes 7 cks.
Quebracho ext. 35,000
Roots (E.I.) 82, (N.Y.) 240
Sulphur (It.) 1,965

To Manchester.

Acetic ac. (N.Y.) 218 brls.
Calc. carbide (St. John's) 2,550
Olive oil (It.) 272 pkgs.
Phosphorus 495 cs.
Soda caustic (N.Y.) 313 dms.
Soda phosph. 20
Tannic ac. (St. John's) 40
Tart. acid (It.) 94 brls.
Tart. emet. (N.Y.) 46

To Hull.

Antim. ore 370
Canary-seed 125
Chem. prod. (Fr.) 514
Chlorine liq. (N.Y.) 10 crts.
Cottonseed (E.I.) 48,175
Essent. oil (Amst.) 31 cbys.
Formic acid 120 blns.
G. copal (W.C. Af.) 9,066
Linseed (R. Plate) 143,752
Palm-kern. 60,453
Palm oil 350 brls.
Pepper (W.C. Af.) 98
Wax, bees' (W.C. Af.) 372

To Bristol.—Bay rum 5 cs., casein (Fr.) 67, cottonseed (Egypt) 1,370 t., lime-juice 5 pns. *To Folkestone.*—Drugs (Fr.) 20 pkgs., perfumery (Fr.) 56 cs., perfumed spirits (Fr.) 7 cs. *To Goole.*—Essent. oils (Fr.) 14 cs. 3 cks.

Orange Free State News.

O.F.S. Medical and Pharmacy Council.

At a meeting of the above Council, held at Bloemfontein on February 11, Messrs. H. H. Greenwood and S. S. Hewitt were present as pharmaceutical members. An application for registration as a chemist and druggist had been received from one Ralph Narunsky. The document submitted as evidence that the applicant had passed the examination conducted by the Pharmaceutical Society of Great Britain was, according to a statement made by Mr. Hewitt, a certificate issued by the Society for the purpose of satisfying the provisions of one of the Pharmacy Acts requiring the exhibition of such a certificate in chemists' shops, and not the original diploma. Moreover, the Society's seal was not attached to the document. In view of a ruling given by the Council's legal adviser on a previous occasion, to the effect that the Council had no power to approve registration on any document other than the original diploma, unless such original had been irretrievably lost or destroyed, it was resolved that the applicant be required to produce the original diploma.

O.F.S. Pharmaceutical Society.

The annual general meeting was held on February 8 at the offices of Messrs. Petersen, Ltd., Bloemfontein, when the following officers were appointed for the ensuing year: *President*, Mr. W. F. Prophet; *Vice-President*, Mr. Francis Carter; *Committee*, Messrs. J. Rawling, S. Taylor, S. S. Hewitt, J. Friedman, and A. Cruickshanks; *Hon. Secretary and Treasurer*, Mr. H. H. Greenwood. In the course of the annual report for 1915 it was stated that, owing to the unsettled state of the country, pharmaceutical matters have been held somewhat in abeyance. One important matter which has been under consideration is the proposed new Medical and Pharmacy Bill. The Medical and Pharmacy Council of the Orange Free State requested that the new Bill be considered by the Society, and this was done by the Executive Committee, who made comments and suggestions which were adopted almost in their entirety by the Medical and Pharmacy Council. It is hoped that Parliament will see fit to pass the Bill in its amended form. Copies of the amendments to the Medical and Pharmacy Bill were also submitted to the Natal, Transvaal, and Cape Pharmacy Board. During the year, although the Society has not been able to contribute to the various war funds owing to its financial position, individual members have subscribed very liberally. As an instance, Bloemfontein chemists and their assistants have given close upon 50*l.* during the past six months, two members of the Society being responsible for the collection. A donation of 5*l.* was also sent to The Chemist and Druggist for the distressed Belgian Doctors' and Pharmacists' Relief Fund. Several members of the Society have answered their country's call and joined the Forces, while others no doubt would have done so but for the dearth of men in the profession. The Society is indebted to Mr. S. S. Hewitt for giving a synopsis of a lecture which he had delivered before the members of the South African Association for the Advancement of Science. The financial position of the Society is satisfactory.

Mr. W. F. Prophet, chemist and druggist, Bloemfontein, who has been elected President of the Pharmaceutical Society, is a native of Forfar, Scotland, and was educated at the Harris Academy, Dundee. He studied pharmacy and chemistry at the Liverpool College of Pharmacy, and went to South Africa in 1898. After being with the late Alexander Cleghorn for a short time, Mr. Prophet obtained a position with J. A. Willet & Co., Port Elizabeth, and then with Mr. F. W. C. Thomas at the Claremont Medical Hall. About five years ago he took over the Harvey Road Dispensary, Bloemfontein, and has built up a splendid business. The premises have recently been refitted, making the pharmacy one of the handsomest in the State. Mr. Prophet is a keen tennis-player, and interested in all branches of sport.

Mr. W. F. Prophet.

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Correspondence

Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

The Pharmaceutical Election.

Sir,—When a crisis occurs in pharmaceutical affairs spasmodic efforts are made to deal with it, without, however, any definite results. It seems to be agreed that the Pharmaceutical Society does not represent the whole trade, and yet it is agreed that other organisations are foredoomed to failure. What is wanted is co-operation with a view to altering the constitution of the Society. The Council, as at present elected, is a bureaucracy of an intractable and exclusive type, and it is here that the weakness of the position lies. The system is wrong, not the men. I suggest that in this democratic age the present system is effete, and if we are to save ourselves we must reorganise upon a sound, democratic basis. Local organisation has been effectually carried out. In Kent and elsewhere the County Committee is made up of delegates sent from the local Associations. This should be the first step in our democracy. Having organised the trade thus far, I suggest that local Associations form the nucleus for a real democratic pharmaceutical government by carrying the principle of direct representation one step further, and electing the Council from the County Committees, each county sending its representative to Bloomsbury.

Is it too much to expect the Society to reform itself? I fear it is. Reconstruction will not come from within; if it comes at all it will be through co-operative effort. The National Insurance Act has brought home to every pharmacist the necessity for direct representation. Great social changes are being wrought in our midst. Already drugs have come under a kind of public control. Another step further in the direction of State control, and a little more pressure from opposing forces in the other direction, will sweep many of us off our feet and reduce the remainder to retailers pure and simple. Yet, beset with all kinds of dangers, we cling with a kind of fatality to our individualistic ideas, ignoring concerted action, which is so essential for our preservation. With a thoroughly representative Society our case could, with reasonable hope of success, be presented in a concrete form at the psychological moment.

East Kent. (166/66.)

Insurance Tariff Prices.

Laurencio (157/72) sends us a copy of the Tariff of prices for February 1916 issued to chemists, and draws attention to the following supposed discrepancies in prices:

	Listed Price.	Allowed.
	s. d.	s. d.
Lin. bellad. meth.	7 6	6 0½
Lin. camph.	1 5	1 2½
Lin. camph. am. meth. ...	1 8	1 4
Lin. chlorof.	3 10	4 2½

Ol. morrhuæ, gal. 17*s.*, or 18½*d.* per lb. The syrups are allowed higher, but tinctures, which are in greater demand, are:

	Listed Price.	Allowed.
	s. d.	s. d.
Tr. cannab. ind.	10 2	7 10
Tr. canthar.	5 8	4 4
Tr. card. co.	3 0	2 8
Tr. guaiaci amm.	5 3	4 3½
Tr. chlorof. et morph. ...	7 8	7 1
Tr. chlorof. et morph., '85	3 5	3 10½
Tr. zingib.	5 3	4 0

"Laurencio" says: "It would be interesting to know what 'business' man drew up such a Tariff. If we are not to be discounted and paid in full, why the difference in prices, which are a loss on the greater part of goods? If we are not allowed any profit on drugs, we ought not to have to supply at a loss."

[The prices are those fixed by a Committee, representing the British Medical Association and the Pharmaceutical Society, consulted by the Insurance Commissioners. The "listed prices" are those of an agreed wholesale price-list (The British Drug Houses, Ltd.), and the "allowed" prices are prices per "pound," allowance being made for specific gravities appreciably higher or lower than water, which the above criticism has overlooked. We do not think that in any case the "allowed" prices are lower than cost, as that would be illegal probably.—Editor *C. & D.*]

Payment for Dispensing.

Sir,—I think the question raised by Mr. F. E. Burdett at the meeting of the Bradford Pharmacists' Association as to the proper rate of payment for dispensing is one which should be discussed with a view to arriving at a conclusion. It is a difficult problem anyhow. The slow, deliberate, careful pharmacist dispensing prescriptions which are paid for on a basis of 4*s.* per hour might be a much worse investment from the employer's point of view than the brisk, active, hospital-trained man whose work is calculated at the rate of only 2*s.* The individual factor must always come in. I know assistants who would bring much more profit to their employer, though their work is assessed at the lower figure, than others would do at the higher. The difficulty is to assess the value of our work at what would be a fair standard price all round. Mr. Priestley's plan of a flat dispensing-fee of 4*d.* would solve the difficulty of remuneration in the fairest way.

Yours truly,

Sapo. (91/19.)

Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

The Scarcity of Bottles.

J. J. L. (166/63) writes: "I recommend chemists to offer their message-boy a halfpenny for each medicine-bottle he can collect. The plan is a great saving, besides helping the message-boy and, incidentally, the country."

The Scandinavian Market.

Mr. C. Norman, 33 Granville Road, Watford, Herts, a Norwegian pharmaceutical chemist domiciled in England, would be pleased to see the Scandinavian market supplied with drugs and chemicals from English markets instead of from Hamburg and Dresden. He would be glad to confer with any British wholesale house on the subject.

Wounded Soldiers in French Hospitals.

Mr. A. L. Burgess, chemist and druggist, St. Sampson's, Guernsey, who last year acknowledged gifts received on behalf of the Committee for Helping Wounded Soldiers in French Hospitals (*C. & D.*, April 3, 1915, p. 33), informs us that the work is still being carried on with gratifying results. He also tells us that the proceeds from surplus stock, which he is advertising in the Coloured Supplement, will be devoted to the Fund.

Cultivation of Poppies.

Papaver (91/19) writes: "Poppies appear in a list of plants which the Women's Herb-growing Association is recommending us to cultivate, and I see that in France experiments are being made with success to extract opium of standard quality from the capsules. I was told last summer in a poppy-growing district that the cultivation of this plant, as of linseed and mustard, had for some years been steadily diminishing, and I could only find two or three small lots where a few years since there would have been many acres growing. The decline is due partly to the decreased use of poppy-heads for fomentations, and partly to the fact that other and less risky crops have taken the place of poppies. Something, too, is due to the fact that this industry has been largely in the hands of men who have not been in direct touch with the market, and prices have had to be accepted which, unless the crop were an exceptionally good one, did not pay. There is perhaps no crop which in our climate is more liable to fatal injury. But if opium can be profitably got from home-grown poppies their cultivation would revive. It has been obtained in small quantities and by way of experiment, and it seems worth while to try what can be done on a larger scale. English opium is said to be of good quality, but to vary with the season; it is described as resembling that of India, but to be lighter in colour. If any pharmacist is disposed to embark on the enterprise, the time has come when he should set about it without delay."

Legal Queries.

F. M. H. (166/14).—The police have no right to inspect poison-books kept by registered chemists.

Rhei (167/38).—The exemption in favour of unqualified persons selling "known, admitted, and approved remedies" only applies to those who have served an indentured apprenticeship.

W. P. (161/36).—"Known, Admitted, and Approved Remedies" containing poisons must conform with the requirements of the Poison Schedule, even when the appropriate reference-number is affixed. The neuralgia-pills to which you refer should be labelled "Poison."

Miscellaneous Inquiries.

J. M. W. (159/13).—We do not know the formulæ of the proprietary disinfectants to which you refer. We gave a formula in the *C. & D.*, February 26, p. 64, for a disinfecting-fluid that turns white on mixing with water. This should form a good starting-point for experiments in the production of a fluid of the class you require.

J. S. (159/28).—Cough-elixir (*C. & D. Diary*, 1904, 3).—The following is the formula for which you ask:

Ext. glycyrrh. liq.	ʒij.
Acet. scillæ	ʒiiss.
Tr. camph. co.	ʒxx.
Vin. ipecac.	ʒiiss.
Vin. antim.	ʒiiss.
Liq. morph. acet.	ʒiv.
Liq. morph. hyd.	ʒiv.
Potass. nit. crystal.	ʒiij.
Aq. bullientis	℥xx.

ʒj. tuss. urgente.

T. E. D. (142/48).—Linen-glaze.—The sample of German linen-glaze, for applying to the edges of frayed collars and cuffs, consists of a mixture of:

French chalk	50 parts
Carnauba wax	50 parts
Benzaldehyde	0.2 part

There is some paraffin-wax present, so that part of the carnauba wax may be replaced by paraffin to yield a compound of the same melting-point as the sample you send.

Yuma (139/52).—The liquid you send, employed in "decora" work, is carbon tetrachloride. We cannot find anything else in the solution, but are not sufficiently acquainted with the details of the process to be able to pursue the subject further.

J. O. B. (133/69).—Staggers-powder.—The veterinary powder used for staggers is mainly sodium sulphate, "nosed" with powdered caraway. Salines of this nature are usually given to animals with plenty of water.

Canthar. (159/24).—Veterinary Blister.—The following is the simplest form of cantharides blistering-ointment:

Powdered cantharides	1 oz.
Prepared lard	6 oz.

Digest the cantharides and lard together over a water-bath for three hours, with occasional stirring; while hot filter through paper and allow the clear liquid to cool.

J. A. (117/7).—Petroleum-emulsion with Irish Moss:

Chondri	ʒiiss.
Sodii hypophosph.	ʒij.
Calcii hypophosph.	ʒij.
Ol. petrol. alb.	ʒvij.
Sp. chlorof.	ʒvj.
Mue. acaciæ	ʒj.
Saccharini	gr. j.
Ol. amygd. ess.	♏v.
Aquam ad	℥xiv.

M.S.A.

Anxious (159/30).—Woolballs in Lambs.—The prevention of woolballs consists in gathering up all loose wool from the ground, fences, etc., to which the lambs have access, and also to pluck out all slack from the udder of the ewes. Careful dipping also has a beneficial effect in the prevention of balling. There is no certain medicinal cure, although drenches containing nitromuriatic acid, oil, and anodynes are given and enemas administered for the same purpose. Surgical treatment consists in an operation for removing the woolballs, but the cost of the animal does not often allow of incurring the expense of an operation, which must be performed by a veterinary surgeon. The administration of caustic alkalies, such as liquor potassæ, can have but little effect on the woolballs.

J. W. (114/64).—We cannot suggest any improvement in the formula you submit. It is constructed on correct lines, but you should not expect it to cure everything.

M. R. & Co. (237/35).—The powder you send, used for colouring the wool of sheep, is red sanderswood (*Pterocarpus santalinus*).

Fumigant (28/2).—Greenhouse Fumigant.—This appears to be a form of denaturised tobacco or tobacco-stems, which are allowed to be sold for agri-horticultural use. Corry & Co., Ltd., Shad Thames, London, S.E., supply a fumigant-powder of the class you require.

F. S. (162/27).—Steel-cutting Liquid.—We have no formula for this, but suggest that you exepriment with a mixture of heavy mineral oil, resin oil, and soap melted together.

A. J. B. (125/32).—Books on Electro-chemistry.—Danneel's "Electro-chemistry," translated by Merriam (5*s.* 6*d.*, Chapman & Hall, Ltd.); Thompson's "Applied Electro-chemistry" (9*s.*, Macmillan); Allmand's "Principles of Applied Electro-chemistry" (18*s.*, Edward Arnold); Lehfeldt's "Electro-chemistry.—Part I.: General Theory" (5*s.*, Longmans).

W. P. S. (137/10).—Books on Medical Electricity.—The *Chemist and Druggist Diary*, 1911, contains a treatise on medical electricity; Lewis Jones's "Medical Electricity" (10*s.* 6*d.*, Lewis) and Guilleminot's "Electricity in Medicine" (17*s.*, Rebman) are well-known books on the subject.

W. D. B. (157/45).—We know of no book containing a tabulated list of drugs, etc., such as you require. It would, however, be an instructive amusement for you to compile such a table from the British Pharmacopœia, Squire's "Companion," and Martindale's "Extra Pharmacopœia."

M. R. C. (133/16).—(1) Tooth-powder.—The sample you send has a basis of calcium and magnesium carbonate, and is medicated with eucalyptus oil and carbolic acid. (2) Skin-cream.—A formula for a sodium-stearate skin-cream different from those printed in "Pharmaceutical Formulas" was given in the *C. & D.*, August 28, 1915, p. 70. A good deal depends on manipulative skill in the compounding of these creams.

F. D. (36/14).—Alcohol from Molasses.—Mr. T. H. P. Heriot, at a meeting of the Society of Chemical Industry in Glasgow, stated that 1 gallon of absolute alcohol is obtained from 2.2 gallons of cane-molasses, or 2.5 gallons of beet molasses, and 1 gallon of 90-per-cent. alcohol from 2 gallons of cane-molasses or 2.3 gallons of beet-molasses. The process of manufacture is, briefly, to dilute the molasses to a density of 1.06, acidify with sulphuric acid (1 per mille of "wash"), and add nitrogenous food for the yeast, consisting of 10 lb. of ammonium sulphate per 1,000 gallons. The fermentation is complete in from two to three days, after which the spirit is distilled off.

S. E. A. (167/1).—Rendering Fabric Transparent.—The best effect with the fabric you send will be obtained by oiling with poppy oil or boiled oil. You do not say for what purpose you require the transparent fabric, but probably oiled silk, guttapercha tissue, and Christia fabric offer good ready-made substances unless they are too expensive.

J. N. (132/52).—We cannot find that there is any book especially devoted to the medical treatment of greyhounds. A list of books for pharmaceutical students was given in the Educational Number of The Chemist and Druggist (August 14, 1915, p. 58).

J. B. F. (109/19).—Morphine-content of Opium-preparations.—Liquid extract of opium of the British Pharmacopœia 1885 contained approximately 22 grains of extract of opium in 1 oz. of liquid, or about 1 per cent. of morphine. The tincture of the British Pharmacopœia 1898 contains 0.75 per cent. of morphine, so that by appropriate dilution of the liquid extract you have you can obtain a liquid of the same morphine-content as the B.P. 1898 tr. opii.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," March 15, 1866.

Death.

William Thomas Brande, the well-known scientific chemist, is dead. He was born in 1786, and commenced his career as a lecturer on chemistry in 1808. For some time previously he had acted as an assistant to Sir Humphry Davy at the Royal Institution. In 1809 he was made a Fellow of the Royal Society. In 1812 he was appointed Professor of Chemistry and Materia Medica to the Apothecaries' Company, and in 1851 was elected Master of the Company. In 1813 he was made Professor of Chemistry at the Royal Institution, and delivered lectures for many years in conjunction with Professor Faraday. In 1825 he was appointed superintendent of the coining department of the Mint. He was the author of a standard "Manual of Chemistry," a "Dictionary of Pharmacy," and other important works of reference. In 1853 the University of Oxford awarded him the honorary degree of D.C.L.

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Chloral Formamide (Chloralamide)
Chlorbutol
Citral
Cocain Nitrate
Hexamin Sodio-Acetate (Cystopurin)
Hexamine (Urotropin)
Hydrarg. Salicylate
Mannite
Potassium Sulphoguaiacolate (Thiocol)
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N.B.—We would draw attention to the fact that all prices quoted herein are subject to alteration without notice, and that where stocks are limited preference is always given to our regular customers.

Orris, English Ground, 1 cwt. @ 98/- cwt.; 7 lbs. @ 11½d. lb.
Ox. Sepiæ Pulv., 1 cwt. @ 70/-; 7 lbs. @ 9d. lb.
Otto Rosæ, finest, 1 oz. @ 30/- oz.; No. 2, 1 oz. @ 21/- oz.
Oxymel Scillæ, B.P., 1 cwt. @ 55/- cwt.; *7 lbs. @ 8d. lb.

Papain, 1-80, 1 oz. @ 3/- oz.
Paraffinum Durum, B.P., 2 cwt. @ 5½d. lb.; 1 cwt. @ 6½d. lb.; 56 lbs. @ 6¾d. lb.; 7 lbs. @ 7d. lb.; Molle Flav., B.P., 3½ cwt. @ 34/6 cwt.; 1 cwt. @ 4/- cwt.; 28 lbs. @ 5½d. lb.; 7 lbs. @ 6d. lb.; Alb. B.P., 3½ cwt. @ 74/- cwt.; 28 lbs. @ 9½d. lb.
Paraldehyde, B.P., 1 lb. @ 17/- lb.
Pepsin, B.P., 1 lb. @ 12/- lb.
Phenacetin, P.B., pulv., 1 lb. @ 67/6 lb.
Phenazone, P.B., 1 lb. @ 80/- lb.
Phenolphthalein, 1 lb. @ 62/- lb.
Pix. Burgund., Druggists', 1½ cwt. @ 38/- cwt.; 7 lbs. @ 6d. lb.
Plumbi Acetas, Druggists', 1 cwt. @ 95/- cwt.; 7 lbs. @ 1/- lb.; Powder, 1½d. lb. extra.
Podophyll. Resina, P.B., 1 lb. @ 15/6 lb.
Potassa Caustica Sticks, P.B., 1-lb. Bots. @ 8/- lb.
Potas. Acetas. Gran. P.B., 28 lbs. @ 3/6 lb.; 7 lbs. @ 3/9 lb.
Potas. Bicarb. Pulv., 4 lbs. @ 2/4 lb.
Potass. Brom. P.B., 7 lbs. @ 26/3 lb.
Potass. Chlor. Pulv., 7 lbs. @ 2/6 lb.
Potass. Cit. B.P., 7 lbs. @ 5/6 lb.
Potass. Cyanidum, 98%, 7 lbs. @ 3/8 lb.
Potass. Iod., P.B., 14 lbs. @ 15/3 lb.; 3 lbs. @ 16/ lb.
Potass. Metabisulph., 7 lbs. @ 2/3 lb.
Potass. Permang., Cryst., 2 lbs. @ 8/9 lb.
Potass. Prussias Flav., 7 lbs. @ 4/6 lb.
Pulv. Cretæ Arom. P.B., 14 lbs. @ 8d. lb.; c. Opio, B.P., 7 lbs @ 2/6 lb.
Pulv. Glycyrrh. Co. B.P. (Green), English Ground, 56 lbs. @ 74/- cwt.
Pulv. Ipecac. Comp. P.B., 1 lb. @ 7/6 lb.
" Jalap Comp. P.B., 1 lb. @ 2/1 lb.
" Rhei Comp. P.B., 1 lb. @ 1/6 lb.

Quassia Chips, 1 cwt. @ 34/- cwt.; 28 lbs. @ 4½d. lb.
Quinine Bisulph., 10 oz. @ 4/3 oz.
Quinine Ethyl Carb. (Tasteless), 10 oz. @ oz.
Quinine Hydrobromas, B.P., 25 oz. @ oz.; 10 oz. @ oz.
Quinine Hydrochlor., B.P., 25 ozs. @ 5/3 oz.; 10 ozs. @ 5/5 oz.
Quinine Sulph., B.P., 100 oz. @ 3/11 oz.; 25 oz. @ 4/- oz.; 10 oz. @ 4/1 oz.

Rad. Gentian, English Ground, 1 cwt. @ 85/- cwt.; 7 lbs. @ 10d. lb.
Rad. Glycyrrh. English Ground, 1 cwt. @ 70/- cwt.; 7 lbs. @ 9d. lb.
Rad. Ipecac. Rin., 1 lb. @ 25/-.
Rad. Jalap, English Ground, 28 lbs. @ 1/6½ lb.; 7 lbs. @ 1/8 lb.
Rad. Rhei., E.I., English Ground, 1 cwt. @ 1/5 lb.; 28 lbs. @ 1/8 lb.; 7 lbs. @ 1/9 lb.
Rad. Rhei., E.I. Trimmed, 7 lbs. @ 5/3 lb.; 1 lb. @ 5/9 lb.
Resorcin, B.P., 1 lb. @ 82/- lb.

Saccharine, 7 lbs. @ lb.; .550 or .500 1 lb. @ lb.
Sacchar. Ust., 1 cwt. @ 50/- cwt.; 10 lbs. @ 6½d. lb.
Saffron Valentia, B.P., 7 lbs. @ 41/- lb.; 1 lb. @ 42/6 lb.; 1 oz. @ 2/11 oz.
Sal. Acetos., 7 lbs. @ 2/- lb.
Salicinum, B.P., 1 lb. @ 22/6 lb.
Salol, B.P., 1 lb. @ 51/- lb.
Sang. Draconis, pulv., English Ground, 7 lbs. @ 2/1 lb.
Santoninum, P.B., 16 oz. @ 165/- lb.
Sapo Cast. Alb., 2 cwt. @ cwt.; 7 lbs. @ 7½d.; pulv., 1 cwt. @ 105/- cwt.; 56 lbs. @ 108/- cwt.; 7 lbs. @ 1/1 lb.; Animal pulv., 1 cwt. @ 76/- cwt.; 56 lbs. @ 78/- cwt.; 7 lbs. @ 10d. lb.
Scammony Resin, Pulv., B.P., 7 lbs. @ 5/2 lb.; 1 lb. @ 5/9 lb.
Shellac (Orange), 1½ cwt. @ 97/6 cwt.; 7 lbs. @ 1/- lb.
Soda Caustica, 6 1-lb. bots. @ 2/8 lb.
Soda Cit., B.P., 3 lbs. @ 4/5 lb.
Soda Sulphite, Recryst., 1 cwt. @ 25/6 cwt.; 7 lbs. @ 4d. lb.
Soda Sulphocarbolas, B.P., 7 lbs. @ 3/8 lb.; 1 lb. @ 3/11 lb.
Sodii Bromid., P.B., 7 lbs. @ 21/- lb.
Soda Hyposulphite, pea cryst., 1 cwt. @ 22/- cwt.
Sodii Salicyl. Pulv., 2 lbs. @ 23/- lb.
*Spt. Æther Nit., P.B., 4½ lbs. @ 4/3 lb.; 1 lb. @ 4/8 lb.
* " Ammon. Aromat., P.B., 5 lbs. @ 3/7 lb.
* " Chloroform, P.B., 5 lbs. @ 4/1 lb.
Strontiæ Bromid., 1 lb. @ 22/- lb.
Strychnina Cryst. B.P., 4 oz. @ 3/4 oz.; Hydrochl. and Sulphate, 2d. oz. less.
Sugar of Milk, P.B., 1 cwt. @ 89/- cwt.; 7 lbs. @ 10d. lb.
Sulphonal, P.B., 1 lb. @ 48/- lb.
*Syr. Aurant. P.B., 7 lbs. @ 11½d. lb.
* " Easton, B.P., 7 lbs. @ 1/3 lb.
* " Ferri Iodid. P.B., 7 lbs. @ 1/7 lb.
* " Ferri Phosph. Co., 7 lbs. @ 7½d. lb.
* " Hypophosph. Co., B.P.C., 7 lbs. @ 1/1 lb.
* " Pruni Virg. B.P., 8 lbs. @ 9½d. lb.
* " Rhamni, 7 lbs. @ 1/0½ lb.
* " Rhei, P.B., 7 lbs. @ 10½d. lb.
* " Scillæ, P.B., 7 lbs. @ 7d. lb.
* " Sennæ, P.B., 7 lbs. @ 11½d. lb.
" Simplex, 7 lbs. @ 6d. lb.
* " Tolut, P.B., 7 lbs. @ 10d. lb.

Thymol, 1 lb. @ 48/-.
Tinct. Aurantii Recens., B.P., 5 lbs. @ 4/2 lb. Aquos, 11d. lb.
*Tinct. Belladon. B.P., 5 lbs. @ 4/10 lb. Aquos, 1/10 lb.
*Tinct. Benzoin Comp., P.B., 5 lbs. @ 4/4 lb.
*Tinct. Camph. Comp., P.B., 5 lbs. @ 3/- lb. Aquos, 1/3 lb.
*Tinct. Cantharidis, P.B., 5 lbs. @ 4/8 lb.
*Tinct. Capsici, B.P., 5 lbs. @ 3/2 lb. Aquos, 11d. lb.
*Tinct. Card. Comp., P.B., 5 lbs. @ 2/7 lb. Aquos, 1/1 lb.
*Tinct. Catechu, P.B., 5 lbs. @ 2/11 lb. Aquos, 1/1 lb.
*Tinct. Chlorof. c. Morph., P.B. 1885, 5 lbs. @ 2/5 lb.
*Tinct. Cinchon. Comp., B.P., 5 lbs. @ 3/7 lb.; bond, 1/0½ lb. Aquos, 1/3 lb.
*Tinct. Cinchon. Rub., P.B. 5 lbs. @ 3/6 lb. Aquos, 1/3 lb.
*Tinct. Digitalis, B.P., 5 lbs. @ 3/11 lb. Aquos, 1/1 lb.
*Tinct. Gelsem., P.B., 5 lbs. @ 3/4 lb. Aquos, 1/4 lb.
*Tinct. Gentianæ Comp., B.P., 5 lbs. @ 2/4½ lb. Aquos, 1/1 lb.
*Tinct. Hyoscyam., B.P., 5 lbs. @ 4/4 lb. Aquos, 1/10 lb.
*Tinct. Iodi., B.P., 5 lbs. @ 5/3 lb.; Fort. @ 6/9 lb; decolor., 5 lbs. @ 5/5 lb.
*Tinct. Lavandulæ Comp., B.P., 5 lbs. @ 4/7 lb. Aquos, 1/1 lb.
*Tinct. Myrrhæ, B.P., 5 lbs. @ 4/5 lb.
*Tinct. Nucis Vom., B.P., 5 lbs. @ 3/7 lb. Aquos, 1/4 lb.
*Tinct. Opii, B.P., 5 lbs. @ 5/11 lb.
*Tinct. Opii Aquos, 5 lbs. @ 4/1 lb.
*Tinct. Quininæ Amm., B.P., 5 lbs. @ 3/9 lb.
*Tinct. Rhei Co., B.P., 5lbs. @ 2/4½ lb. Aquos, 1/1 lb.
*Tinct. Scillæ, B.P., 5 lbs. @ 2/10 lb. Aquos, 11d. lb.
*Tinct. Senegæ, P.B., 5 lbs. @ 3/7 lb. Aquos, 1/6½ lb.
*Tinct. Strophanth., P.B., 5 lbs. @ 4/3 lb.
*Tinct. Valerianæ, 5 lbs. @ 3/4 lb. Aquos, 1/2 lb.
*Tinct. Valerianæ Ammon., P.B., 5 lbs. @ 3/8 lb. Aquos, 1/4 lb.
*Tinct. Zingib., P.B., 5 lbs. @ 4/8 lb.
*Tinct. Zingib. Fortior., 5 lbs. @ 4/11 lb.
Treacle (Black), 24 lbs. @ lb.
Turpentine (Best American), 1 gal. tins @ 5/9 each; Venice, Genuine, 9 lbs. @ 2/6 lb.

Ung. Acid. Boric, P.B., 28 lbs. @ 8½d. lb.; Flav., 28 lbs. @ 6½d. lb.
" Acid. Carbol., B.P., 28 lbs. @ 1/1 lb.; 7 lbs. @ 1/2 lb.; 1 lb. @ 1/6 lb.
" Gallæ, P.B., 7 lbs. @ 1/- lb.; 1 lb. @ 1/2 lb.; c. Oplo, 7 lbs. @ 3/10 lb.
" Hydrargyri, B.P., 28 lbs. @ 2/9 lb.; 7 lbs. @ 2/11 lb.
" Hydrarg. Ammon., B.P., 28 lbs. @ 1/4 lb.; 7 lbs. @ 1/7 lb.
" Hyd. Nit. Dil., 7 lbs. @ 1/4 lb.
" Paraff. Alb., P.B., 28 lbs. @ 9d. lb.; 7 lbs. @ 10d. lb.; 1 lb. @ 1/- lb.; Flav. 28 lbs. @ 6½d. lb.; 7 lbs. @ 8d. lb.
" Resinæ, P.B., 28 lbs. @ 1/- lb.; 7 lbs. @ 1/1 lb.
" Sulphuris, B.P., 28 lbs. @ 10d. lb.; 7 lbs. @ 11d. lb.
" Zinci Oxid. Benz., B.P., 28 lbs. @ 10d. lb.

Wax, Japan, 2 cwt. @ 70/- cwt.; 7 lbs. @ 9d. lb.

Zinci Oleat. Powder, B.P.C., 7 lbs. @ 2/10 lb.
Zinci Oxid., 1 cwt. @ 88/- cwt.; 28 lbs. @ 10½d. lb.; 7 lbs. @ 11d. lb.
" Sulph., pure, 1 cwt. @ 50/- cwt.; 28 lbs. @ 6½d. lb.
" Sulphocarbolas, B.P., 7 lbs. @ 3/8 lb.; 1 lb. @ 3/11 lb.

*Maximum quantity at these prices; Home Trade, 5 Winchester Quarts assorted; Export, 12 Winchester Quarts assorted.

NOTE.—Only terms Net Cash with order without discount, or orders accepted through London Merchants or Bankers. Goods carriage forward; all packages free; Export cases extra.

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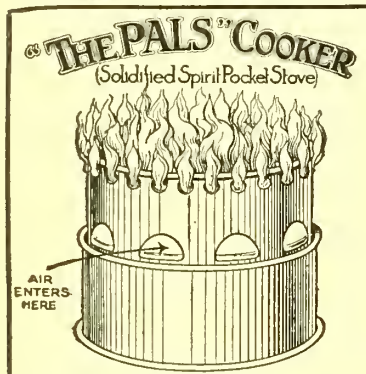

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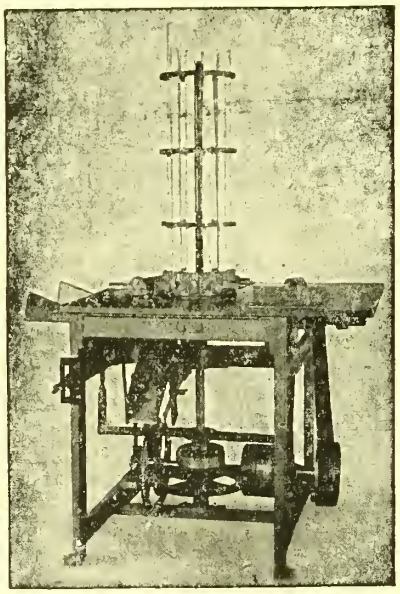

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THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C. SATURDAY, MARCH 25, 1916.

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., **MUST BE PREPAID** (except in the case of serial advertisers), and to ensure prompt insertion

REMITTANCES MUST ACCOMPANY INSTRUCTIONS.

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done

PROVIDED the MONEY is TELEGRAPHED

at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. **Telephone: No. 3617 Central (3 lines). Telegraphic Address: "Chemicus Cannon London."** (Three words counted as two.)

BEST RESULTS EVERY WEEK!

That is what advertisers in The Chemist and Druggist Supplement secure. Not indefinite returns from spasmodic and inflated circulation, but regular, steady success—the best possible in the Drug Trade. It gives

THE PUBLICITY IT PAYS TO PAY FOR.

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Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number: City 2283.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—LONDON, N. (Main Thoroughfare).—Ready-money Business; returning under Assistant £1,400 to £1,500, at good prices; about the value of stock and fixtures required; part payment considered; good opening for an up-to-date man.

2.—LONDON, S.W.—Good-class Retail and Dispensing Business; returns £2,000 yearly; *gross profit* 50 *per cent.*; roomy premises, comprising shop and 11-roomed house; terms, goodwill and lease £250, stock and fixtures at valuation.

3.—GOLDERS GREEN (Within Easy Distance of).—A thoroughly sound Retail and Dispensing Business; no serious opposition; returns £1,500, at good prices; modern-fitted shop, fully stocked; terms, valuation and sum for goodwill to be agreed.

4.—LONDON, S.W. (Good Middle-class Suburb).—Retail and Dispensing Business; returning under management £650 (about), *with clear income of* £200; double-fronted shop, with good residence attached; price £450.

5.—LONDON, S.E. (Main Thoroughfare).—Cash Retail for Disposal, at less than the value of stock and fixtures; returns £700 under unqualified management; price £275.

6.—LONDON, N. (Busy Thoroughfare).—Brisk Ready-money Business; position good; returns between £900 and £1,000; *gross profit half*; price £300, or prompt offer; corner shop, double fronted, nicely fitted, and well stocked.

7.—LONDON, S.E. (Good-class Locality).—Neglected Business, well situated; returns about £1,000; scope for large increase; a young man with energy would soon make a big business; no reasonable offer refused.

8.—SURREY.—Good-class Family and Dispensing Business; present hands 21 years; returns average £1,000 yearly; attractive shop and comfortable residence, with small garden; rent £52; price about £700; worth attention.

9.—GLOUCESTERSHIRE (Market Town).—Old-established Business for immediate Disposal through ill-health of vendor; returns between £1,300 and £1,350; *gross profit* £500; substantially fitted and well stocked; good house and garden; no reasonable offer refused.

10.—HOME COUNTY.—Established Business, chiefly ready money; returns about £1,100; vendor values stock and fixtures at £900; price, to include goodwill, £950.

11.—SUSSEX (Health Resort).—Cash Retail and own Proprietaries; position is good, and returns can be much increased under qualified management; present rate £900; price £620, or offer.

12.—HANTS (Death Vacancy).—Good-class Retail and Dispensing Business; returns between £1,400 and £1,500, at full prices; comfortable residence, with garden; rent £22; terms, valuation of stock and fixtures and sum for goodwill to be agreed.

13.—SUSSEX.—Good-class Retail and Dispensing Business; village in midst of glorious country; returns £850; *net profit above the average*; comfortable residence; further details on application.

14.—WILTS.—Sacrifice for immediate Sale, neglected Retail, with Wine and Spirit Licence; returns about £1,000; scope for plenty of increase under qualified management; good house and garden; will accept valuation of stock and fixtures.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.**, can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**

Messrs. O. & Co. are prepared to undertake these essential duties, and will make **Special Terms** for such services.

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£300 to £400 returns.—DERBYSHIRE.—Good working-class Retail; qualified man could largely increase; valuation about £150.

£1,100 returns.—WILTS.—General country trade, with Wines and Spirits; valuation about £400.

£1,100 returns.—MIDLANDS.—Nice Family Retail, with Optics; pleasant country market town; good house; price £725.

£550 returns.—LINCOLNSHIRE.—Light Family Retail; could be much increased by energetic man; valuation about £400.

Valuations conducted upon the shortest notice at moderate fees.

PARSON C. BAKER

1 MOUNTFIELD ROAD, CHURCH END, FINCHLEY, N.

Recommended by— BRITISH DRUG HOUSES, LTD. MEGGESON & CO., LTD. BARCLAY & SON, LTD.

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All correspondence should be addressed as above.

And at 174 VICTORIA ST., S.W., Ph.C. Tel. No. Victoria 37.

Valuer to Association of Manufacturing Chemists.

CONTINUOUSLY increasing Cash Business; excellent position, large town, Kent; returns £1,200; good house; well-fitted shop; price, small goodwill and valuation, or offer.

DEATH VACANCY.—First reasonable offer; must be sold to realise estate; splendid opportunity at low cost; fine position; neglected.

IN Western County; now returning £500 to £1,000; in good hands easily £1,000; well-fitted shop, private entrance, large garden, stable, etc.; stock and fixtures estimated at £500; rent £45.

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CHEMISTS' VALUERS, TRANSFER AGENTS, AND EXPERT STOCKTAKERS,

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ESTABLISHED OVER HALF A CENTURY.

Telegraphic Address: "Tomtom."

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

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NO CHARGE TO PURCHASERS.

1.—HOME COUNTY (15 Miles Out).—Light Family Retail and Dispensing, with Dentistry; pleasantly situated; returns over £1,000, increasing; net profit £308; books properly kept; modern house, bathroom and large garden; well fitted and stocked; price £650; strongly recommended.

2.—SOUTHERN COUNTY (Fashionable Town).—First-class Retail and Dispensing Business; returns £1,200; profits half; plenty of scope; fine position; price £700, or £100 and valuation; personally inspected and recommended.

3.—MIDLANDS (Death Vacancy).—Good-class Retail and Agricultural, in market town; easy hours; returns £900; net profit £300; low rent; price £425, or near offer.

4.—KENT.—Unopposed good-class Country Retail, delightfully situated; returns about £1,000; books properly kept; nice house and garden; well-stocked shop; price £500; good introduction.

5.—WILTS.—Old-established General Country Retail; unopposed; returns £1,200; net profit £300; large house and garden; low rent; heavily stocked; price £700, little more than valuation.

6.—ESSEX.—Unopposed Village Retail; easily worked; returns £350; net profit £120; good house and large garden; domestic reasons sole cause of sale; price £100, less than valuation.

7.—N. DEVON.—Unopposed Light Country Retail; plenty of scope in qualified hands; net profit £152; modern house, bathroom and large garden; price £175, or offer.

8.—LONDON, S.E.—Middle-class Suburban trade; no Panel; returns £900, increasing; net profit £250; no opposition; well fitted and stocked; price £400.

9.—LONDON, N.W.—Sound Cash Retail, in busy main road; returns over £1,100; net profit £275; good house and large garden; well-stocked Pharmacy; price £475.

STOCKTAKING v. INCOME TAX.

Every chemist should make a point of reading page 135 in *C. & D. Diary*, which deals with the above matter, and then write for our special pamphlet and low terms.

Forty-five years' practical experience.

BUSINESSES FOR DISPOSAL.

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GLOUCESTER.—For immediate Disposal, owing to illness and advanced age, old-established Business; returns over £1,300; well-fitted corner shop; good house and garden; stock and fixtures over £1,000; price £750. Full particulars, 267/30, Office of this Paper.

HERTS.—Small Country Business, must be Sold; turnover £300, easily increased; nearest town 4 miles; no opposition; good living for energetic man; full prices; low rental; well-fitted shop; opening for side-lines; no reasonable offer refused. 264/27, Office of this Paper.

LANCASHIRE, near Manchester.—A genuine, sound, well-established Chemist's Business for Disposal; returns nearly £900 per annum at good prices; good position; very little opposition; well stocked; bona-fide reasons for selling; price asked less than valuation. Apply, 263/23, Office of this Paper.

LIVERPOOL.—Nice Business in good suburb; large Welsh population; low price for quick sale; returns between £650 and £700; suit Welshman; not on Panel. Apply, W. H. Dowler, 13 Kelvin Grove, Princes Park, Liverpool.

LONDON (Near).—Established 17 years; advertiser commencing medical studies; house lets off 10s. weekly; rent £45 and taxes; receipts last year £618; small Dental connection; plenty scope for increase if buyer could give whole time; valuation stock and fixtures only required. "Medico" (264/290), Office of this Paper.

ATTENTION!

We have a Business for Sale, consisting of 15 well-known Preparations, Registered Trade Marks, unique Advertising Ideas, and everything complete. Established over ten years. Now working. Principals only replied to. Capital required from £2,000 to £5,000. Every Guarantee. *Write now*—"ENERGY," Office of this Paper.

LONDON, N.W.—£150 cash will buy a good old-established Business, taking £10 weekly (books kept); splendidly fitted and stocked; situated main thoroughfare; house and shop 10s. weekly; good prospects for qualified or unqualified; owner called up for active service; must sell; bargain for purchaser; confidential. 169/70, Office of this Paper.

LONDON, W. and S.W.—Two Businesses for immediate Disposal; No. 1, suburban; lease 21 years, 16 to run; established 1821; returns 1915, £1,000; no Panel; valuation of stock and fixtures £650; price £350. No. 2, West End; rent 30s. weekly, no rates and taxes; valuation of stock and fixtures £100; price £75. Apply to "Rory" (169/68), Office of this Paper.

NORTHAMPTONSHIRE.—For immediate Disposal, owing to death of proprietor, good-class Family Dispensing and Agricultural Business in best position of country town; in same family 85 years; good house and garden; returns £750; net profits about one-third; scope for increase. Apply, 264/18, Office of this Paper.

SHEFFIELD.—Old-established Business, Retail, Dispensing, and N.H.I. work; well stocked; fittings by Treble & Son. Apply, "Pharmacist," 76 Spital Hill, Sheffield.

SHROPSHIRE.—Owner retiring; good-class Country Business in market town; returns £1,200; comfortable house; low rent. Apply, "Senex," c/o Southall Bros. & Barclay, Ltd., Birmingham.

SOUTH WALES.—Light Retail Cash Business for immediate Disposal; returns nearly £700; net profit £200; easily worked; short hours; good house; double-fronted shop, well fitted and stocked; price £250, or near offer; part can remain. "South Wales" (266/3), Office of this Paper.

STOCKPORT.—For immediate Disposal, the old-established Business of the late R. M. Knowles, deceased, Chemist and Druggist; a good situation and good opening. Apply, Sidebotham & Sidebotham, Solicitors, Stockport.

YORKSHIRE (West Riding).—A good-class Business for Sale in residential town; returns about £1,100; Dispensing, own Proprietaries, and Photographic; not much N.H.I. Dispensing and no heavy trade; satisfactory reasons for disposal. Apply, 264/34, Office of this Paper.

DRUG Stores, in well-populated district; well stocked; Panel work; Doctor next door; now under unqualified management; owner enlisted; would sell some stock separate. T. Andrews, 126 Stephendale Road, Fulham.

EXCELLENT opportunity to obtain a really genuine business in growing town in Kent; population over 4,000; large number of troops in addition; no opposition whatever; exceptional scope for Dentistry, Optics, and Photography (not hitherto exploited); turnover £650; steadily increasing; profits extra good; large Panel; price £350, part can remain. 169/23. Office of this Paper.

EXCEPTIONAL Opportunity.—Steady Business; Lancs (popular resort); commanding corner position, with considerable scope for Optics and Dentistry; handsomely fitted and stocked; price required considerably below valuation; a genuine bargain. Further particulars, 263/18, Office of this Paper.

FOR Sale, in main road of Southsea, good-class Drug Store, taking £10 weekly; could be doubled under qualified man; price £100 for fixtures and fittings; stock, about £150, by valuation; cause of selling, owner called up. Apply, 167/63, Office of this Paper.

FOR immediate Disposal, old-established Family Business, N.H.I. work; average returns £15 weekly under management; previous to war £1,400 yearly; owner having enlisted, price £400. Apply, 169/29, Office of this Paper.

RETAIL Business of Chemist and Druggist at Smallbridge, near Rochdale, for Sale; established 1867; rent £26. Official Receiver in Bankruptcy, Oldham.

SEASIDE.—Business in main thoroughfare of rising and popular resort; good prices obtained; scope for development; double-fronted shop, newly fitted; exceptional reasons for disposing; books will bear every investigation; capital required, about £300 for stock and fittings; no goodwill; no old stock. Apply, "Statim," 149 Balby Road, Doncaster.

WELL fitted and stocked Lock-up Shop in busy North London thoroughfare; old-established, but has been much neglected; present trade £8; price £80, or near offer; stock is worth more; is at present under unqualified female management. 265/21, Office of this Paper.

£200.—Small old-established Country Business, neglected, but capable of large increase with personal attention; exceptional opportunity for Dental; handsome shop, well fitted and stocked; six-roomed house and good garden; worth £250, accept £200 for quick sale; or entertain partnership view succession to two businesses producing net profit £350; total purchase price, about £700. "Eastmids" (264/23), Office of this Paper.

£65 INCLUSIVE, Cheshire.—Cash Drug Stores; £65, including good stock and fixtures; rent, house and shop, 10s.; suit lady or elderly man; grand opportunity; last proprietor now in Army. Apply, "Attested" (263/25), Office of this Paper.

FOR SALE.

BEST offer; 10 lb. Potass. Pruss. Flav., 1 lb. Hydrokinone, 4 oz. Phenacetin, ½ lb. Chloral Hydrate, 1 lb. Methyl Salicyl, 1 oz. Guaiacol Carb., 2 oz. Veratrina, 2 cwt. Cupri Sulph. Gran. 260/23, Office of this Paper.

CASH Till (National make); prints on detail strip and receipt; medium size; keys to £2; good as new; low price. Write at once to Cooke, 14 York Road, Battersea.

CHEMIST'S Shop Fittings for Sale, good condition. Apply, D. Grant, Shopfitter, St. James' Place, Edinburgh.

CHEMIST'S Fittings (Set of); perfect condition; only few years in use. 257/6, Office of this Paper.

FOR Sale, an excellent Remedy for Gout, Rheumatism, kindred diseases, a Medicine and Embrocation, having been supplied locally in Bournemouth for five years with great success and numerous testimonials from all classes; fully protected with trade-mark; would sell the whole or part; a great success. 16 Hawkwood Road, Boscombe.

INDIGO, 1 lb. 10 oz.; Gamboge, lump. sec, 1 lb. 4 oz.; Prussian Blue, 11½ oz.; Aristol, 1 oz.; Phenocoll. Hydrochlor., ¾ oz.; Salol, 5 drs.; Salipyrin, ½ oz.; Santonine, 1 oz.; Thymol, 1¼ oz.; Eucerin, 4-oz. tin; Eucaine Hydrochlor., 100 grs.; what offers? Proceeds for wounded in French Hospitals. Address, A. L. Burgess, New Road, St. Sampson's, Guernsey.

SULPHONAL Tablets; 5,000 for Sale; 15 per cent. off list price. Boyle, Broadway, Belfast.

WHAT offers? 2 gross 25-oz. Syphons, branded with name and address of vendor whose business is in the N.W. district; they could be used in a business situated in S.W. or S.E. district, or further away still. 264/20, Office of this Paper.

10-LB. Copper Pure Oil of Lemon; 25-lb. Copper Pure Oil of Lemon. 263/33, Office of this Paper.

2 LB. Hyd. Iod. Rub., 16s. lb.; 7 lb. Pot. Permang., 8s. lb.; 12 lb. Oxalic Acid, 1s. 7d. lb.; 1 lb. Sod. Iod., 17s. lb.; 1½ lb. Bismuth Subgallate, 18s. lb.; 13 lb. Pot. Bichromate, 2s. lb.; ½ lb. Acid. Salicylic., 22s. lb.; 250 Aspirin Tabs., 5 gr., 10s.; or will exchange for Bismuth. Carb. and cash. Stevens, 97 Borough High Street, London.

BUSINESSES WANTED.

SYNDICATE are open to Purchase several good Proprietary Businesses for cash, but must be well established and showing a profit. Particulars, in strict confidence, to "Syndicate" (255/23), Office of this Paper.

WANTED to Buy, a Business in good-class district in London; about £300; no Agents. 262/25, Office of this Paper.

WANTED to Purchase, small Business in S.E. district London. 266/8, Office of this Paper.

PARTNERSHIPS.

PHARMACEUTICAL Chemist (Irish Exam.) is open to negotiate Managing Partnership in England; up-to-date ideas; own goods; varied experience; Veterinary Prescribing and Dentistry; married; Protestant; Scotch. Particulars, in confidence, to 265/16, Office of this Paper.

WANTED at once, Partner in first-class business; owner joining Army; full investigation; the business is situated in the most populous district of Yorks; turnover £1,100; would sell outright at valuation. "Rhei" (267/27), Office of this Paper.

PREMISES TO LET.

TO Let, smart Business Premises; suit Chemist; not one in town at present; population 5,000; centre of principal street; terms reasonable. Rowlands, Nelson, Cardiff.

AGENCIES.

A YORKSHIRE Firm of Manufacturing Chemists, having warehouse accommodation and travellers covering West Riding, desire Agencies for Drugs, Sundries, Medical Specialities, Packed Goods, etc. Apply, "Progress" (265/19), Office of this Paper.

BUYING and Commission Agencies wanted.—Wholesale Sundriesman, with large Home and Export connection, invites offers from Manufacturers of Bottles, Rubber goods, and Druggists' Sundries of all kinds; new lines exploited; substitutes for Enemy goods specially desired; correspondence solicited from Allies and Neutrals. Longcroft, 16 Clerkenwell Road, London, E.C.

CHEMICAL Manufacturers, with staff of travellers calling on Motor Agents, Chemists, etc., open to undertake during war, on commission and part expenses, the Representation of firm having ground vacated by men joining Army; also able to work small manufacturing business on mutual terms for period of war. Write fully. "W. W." (265/14), Office of this Paper.

TO LET.

A MODERN Corner Shop, with good residence, for Chemist and Druggist to Let; rent £34; in the pretty suburb of Nottingham, West Bridgford, which has a population of 14,000; this offers a unique opportunity, and is well worth a visit and interview with the owner, C. F. C. Hole, Trent Lodge, West Bridgford.

BUSINESS Premises, Tunbridge Wells, handsome shop, superior house; commanding position, main thoroughfare; Rent £70 (less during war); capital opening for Chemist. Wickenden, 20 High Street, Tunbridge Wells.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

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RETAIL.

ALTRINCHAM.—Assistant wanted at once, for Dispensing and Counter, male or female; must be quick and accurate. State usual particulars and salary required (outdoors) to R. H. Tootill, Pharmaceutical Chemist.

BATH.—Qualified Assistant required for good-class Dispensing business; one ineligible for Army, or gentleman over 45. Apply, with full particulars, Pryke, Chemist, Bath.

BEXHILL-ON-SEA.—Wanted, a lady Dispenser in a first-class Pharmacy on the South Coast; a quick and accurate Dispenser essential; in- or out-doors. Apply, with full particulars, F. Wimshurst, The Devonshire Road Pharmacy, Bexhill-on-Sea, Sussex.

BLACKHEATH, S.E.—Lady Assistant wanted for first-class Dispensing and Retail; must be quick and accurate Dispenser; duties Dispensing, Keeping Books, Window-dressing, and Making of Galenicals. Full particulars to Bailey, Pharmacist, 61 Old Dover Road, Blackheath.

CLIFTON, Bristol.—Assistant for high-class business; application entertained from lady; duties chiefly Dispensing. Apply, stating age, experience, and salary required, to Giles, Schacht & Co.

CRANLEIGH, Surrey.—Capable Assistant, chiefly for Dispensing; easy hours. State usual particulars and salary required, outdoors, Hillman Attwell, Chemist.

FALMOUTH.—Wanted, unqualified Assistant for good-class Dispensing business; either man ineligible for the Army or lady Dispenser; good salary offered to thoroughly competent person. Apply, Wilmer & Hocking, Chemists, Falmouth.

GOSPORT.—Wanted, qualified Assistant, over military age; good Prescriber and Dispenser; Light Retail; no Sunday duty; outdoors. State age and salary required, with references and when disengaged, to French, Chemist, Gosport.

HARROGATE.—Wanted, unqualified Assistant (ineligible) in a high-class Dispensing business; indoors. Apply, stating age, height, references, and salary required, to A. B. Payton, Crown Pharmacy, Harrogate.

HULL.—Wanted, qualified Assistant, indoors; also a Junior Assistant, in good-class Retail and Dispensing business; short hours. State age, height, salary required, and references, to Metcalfe & Son, Pharmacists, Hull.

LIVERPOOL.—Senior qualified Assistant; married; to live on business premises; must be accustomed to good-class business. Symes & Co., 14 Hardman Street, Liverpool.

LONDON HOMŒOPATHIC HOSPITAL, Great Ormond Street, W.C.—Applications (male or female) are invited for post of Assistant to the Dispenser at this Hospital; candidates must possess the Minor qualifications and have had previous experience in a Hospital Dispensary. Applications, stating salary required, with copies of not more than three testimonials of recent date, must be delivered to the Secretary before March 31.

LONDON (Central); outdoors; Junior Assistant, qualified or unqualified, for Dispensing and to assist at Counter; several Assistants kept. Frizell & Co., Pharmacie Française, 1 Cranbourn Street, Leicester Square, W.C.

LONDON (City).—Qualified Manager, age about 45, required for high-class business; liberal interest in the profits offered to a capable and energetic man. "City" (263/26), Office of this Paper.

LONDON; outdoors; no Sunday or Bank Holiday duty; Junior Assistant; mainly for Counter and Dispensing. Crowe & Co., 19 Air Street, Regent Street, W.

LONDON, E.—Qualified Manager required (or purchase would be entertained); old-established, unopposed Retail business; excellent opportunity for energetic and enterprising man. Send all particulars (photo if possible), and when disengaged, to "R. A. M. C." (267/22), Office of this Paper.

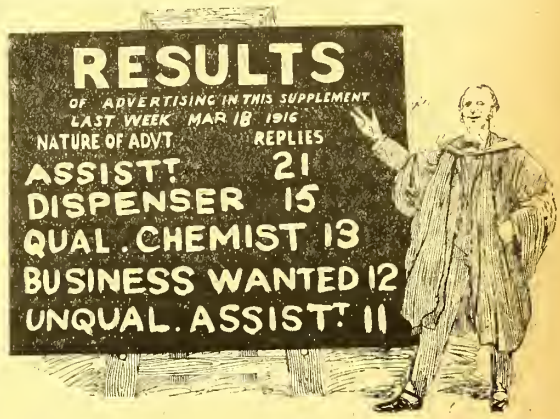
LONDON, N.—Wanted, an Assistant with good all-round experience for a middle-class Retail with N.H.I. Dispensing; salary 45s. weekly. Apply, with full particulars of experience, names of references, and when disengaged, "Chemist," 300 Amhurst Road, Stoke Newington.

LONDON, N.—Lady Dispenser wanted, Apothecaries' Hall certificate, for good-class Light Retail and Dispensing business; outdoors; reasonable hours. State experience, salary required, and enclose photo, to Starmer, Chemist, North Finchley.

LONDON, S.W.—Wanted, competent Assistant for Dispensing Counter; no N.H.I. or Sunday duty. Personal application preferred to Manager, Drug Department, Messrs. Francis & Son, Ltd., 448 Brixton Road, S.W.

LONDON, W.—Competent Assistant wanted; ineligible for military service; must be a reliable Dispenser, and accustomed to best-class business. State age, height, and salary required (outdoors) to John Atkins, Chemist, 109 Queen's Road, Bayswater.

LONDON, W.—Qualified Manager, capable, energetic business man with good middle-class Dispensing and Store experience, to take sole charge of slightly neglected business; permanency and good prospects; outdoors; married preferred; good references; state salary and commission required; also part-time, Thursday evenings, alternate Sundays. 264/39, Office of this Paper.



This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

LONDON, W.—Capable Junior Assistant required, lady or gentleman; outdoors (dinner and tea provided). State experience and salary required, John Keall, 241 Elgin Avenue (opposite Maida Vale Tube Station).

MANCHESTER.—A rare opportunity for good business man to help in Retail business to our mutual benefit; must be good worker, conscientious and trustworthy; qualification not necessary. Particulars (outdoors) to "Spes," Messrs. Oldfield, Pattinson, New Bridge Street, Manchester.

MARGATE.—Reliable Assistant; lady or gentleman; outdoors; active and experienced. State age, height, and salary required, and particulars of last engagement, to W. M. Rosser, Baily & Co., 2 Ethelbert Terrace, Margate.

NEAR MANCHESTER.—Wanted, qualified Branch Manager; Light Retail with N.H.I. Dispensing; half-day holiday; no Sunday duty; good salary paid to capable man. 266/27, Office of this Paper.

NEAR MANCHESTER.—Wanted, qualified Assistant for quick Cash business; must be smart, a willing worker, and good Salesman. Address, with full particulars, age, references, and photo, 260/8, Office of this Paper.

OSWESTRY.—Wanted, Managing Assistant for Country business; used to Panel and private Dispensing. Reeves, Oswestry.

PELHAM YOUNG, Pharmacist, Hounslow, requires (immediately) an unqualified indoor Assistant, lady, or gentleman non-eligible: Retail Counter and Photography (not an essential), fullest particulars, personal interview preferred, any time; every home comfort and surroundings. 'Phone 153 Hounslow.

PORTH.—Experienced Assistant wanted on or before May 9; ineligible; must be energetic and willing; good Window-dresser preferred; permanency to a suitable man. State salary, outdoors, Davies Bros., Dispensing Chemists, 10 Hannah Street, Porth.

SALISBURY.—Qualified Senior Assistant required for high-class Dispensing business; outdoors. Kindly state particulars of experience and salary required, Higgins, Chemist, Salisbury.

SHOREHAM-BY-SEA.—Unqualified Assistant wanted; ineligible for Army; Counter, Dispensing, and Window-dressing; outdoors; middle-class business. Glasspool, Pharmacist, Shoreham-by-Sea.

SOUTH DEVON.—Qualified Manager, married, to take entire charge of good-class business; must be energetic and capable of creating business; Assistant kept; good house provided; to a responsible gentleman seeking permanency opportunity to invest some capital in the business is offered. Full particulars as to experience, salary, and references, 265/25, Office of this Paper.

SOUTH KENSINGTON.—Required, an Assistant, of good Dispensing experience; ineligible for military service. Apply to Plaister & Co., 13 Gledhow Terrace, South Kensington, S.W.

SOUTH OF ENGLAND.—Assistant required; experienced; permanency, with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

TAUNTON.—Unqualified Assistant wanted in good-class Retail and Dispensing business; indoors or out. Apply, with full particulars, to Gregory & Wrenn, Ltd., Chemists, Taunton.

YORK.—Wanted, unqualified Assistant, ineligible for the Army, or lady with Dispensing and Counter experience; half-holiday and no Sunday duty. Apply, with full particulars, stating salary required, and photo if possible (to be returned), John Saville & Sons, Chemists, York.

A RELIABLE Manager wanted: good salary; whole-day holiday a week. Apply, Wm. Fox & Sons, Ltd., 109/11/13 Bethnal Green Road, N.E.

ASSISTANT, unqualified, for one day, Thursday; N.W.; also every other Sunday evening. Apply, stating terms, "X" (168/37), Office of this Paper.

ASSISTANT wanted at once; ineligible; must be accustomed to Dispensing and Retail trade. State experience, age, reference, and salary required, Heath, Chemist, Hucknall Torkard, Notts.

ASSISTANT (unqualified) required for Front Counter; outdoors; short hours; no Sunday duties. Apply, stating age, full particulars of experience, salary required, Secretary, Palmeira House, Hove, Sussex.

BOOKKEEPER required, with some knowledge of Chemist's business; a lady, or gentleman ineligible for military service. Apply by letter, giving usual particulars, salary required, etc., to "A. J. B. C.," Cooper, Son & Co., Ltd., 80 Gloucester Road, South Kensington, S.W.

BURROWS, Chemist, Market Place, Gainsborough, has a vacancy for Junior, Improver, or Turnover Apprentice.

CHEMIST.—Qualified Chemist required for Dispensing duties; quick and accurate; ineligible for Army; permanency; hours 8 to 6, Wednesday 8 to 1; commencing salary about £168; no Counter work. State age, and fullest particulars of experience, to Manager, Junr. Army and Navy Stores, Ltd., Aldershot.

COMPETENT Assistant required at once, either beyond military age or otherwise not liable for military service; applications from ladies will be entertained. Apply personally, or write full particulars, to "A. W.," c/o Alsop & Quiller, 137 Sloane Street, S.W.

JUNIOR or Improver wanted; splendid oportunity to learn the business and study; Hours: 48 weekly, 12 o'clock Thursdays. Apply, stating age, experience, and salary required, enclosing references, to Secretary, or Manager Drug Dept., Co-Operative Society, Stockton-on-Tees.

JUNIOR Assistant wanted (male or female) in West-End Pharmacy; outdoors. Apply, stating usual particulars, to "M." (169/3), Office of this Paper.

JUNIOR Assistant, unqualified, ineligible, male or female, required in middle-class Cash business; preference given to applicant who has some knowledge of Dispensing. Send full particulars of experience, age, and salary required to Martyn's Stores, Ltd., 26 Queen Street, Wolverhampton.

JUNIOR Assistant wanted (male or female), with good Dispensing experience. Apply personally, or by letter with full particulars, to F. Andrews, 54 Leinster Terrace, Lancaster Gate, W.

LADY Dispenser required; Hall or Minor: student for either Exam. would be entertained; Enfield district. Apply, "Stero" (264/6), Office of this Paper.

LADY Dispenser required, with good experience. Apply, Lewis & Burrows, Ltd., 146 Holborn Bars, E.C.

LADY Pharmacist required as Second; provincial hospital; state age, experience, references; salary £112; interview may be arranged in London on March 26 and 27. Immediate application to 265/15, Office of this Paper.

LADY Dispenser required at once by medical man; Dispensing qualification; live out; good references; hours and work not heavy; country town; no bookkeeping; previous knowledge of Surgery Dispensing preferred. State salary required, "A. Z." (262/20), Office of this Paper.

LADY Dispensers, or young ladies with experience of practical Dispensing, required for Pricing Insurance Prescriptions; previous Pricing experience desirable, but not essential; applicants must be quick and accurate in performing decimal calculations, and must furnish particulars of age, experience, and qualifications. Write, "C.," Box 510, c/o 5 Queen Victoria Street, E.C.

LEWIS & BURROWS have vacancies for one or two good Assistants who are not eligible for military duties. Apply, 146 Holborn Bars, E.C.

LOCUM Dispenser wanted for three weeks from April 22, used to Colliery practice preferred; indoors. 168/74, Office of this Paper.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects.

MESSRS. TUPHOLME & SON, 1 Coleherne Terrace, Earl's Court, S.W., require an Assistant in good-class Dispensing and Retail business; board and lodging found for single man; either full or part time; four Assistants kept. Personal interview, or by letter giving full particulars.

QUALIFIED Manager required for a well-established and progressive business; must be about 42 and have had good all-round experience; good agreement offered to the right man. "L." (263/260), Office of this Paper.

QUALIFIED Assistant, mostly for N.H.I. Dispensing; easy situation; elderly not objected to if in good health; company, Lancashire; Mixed business. State when at liberty to "Saffron" (266/4), Office of this Paper.

QUALIFIED Manager, with knowledge of Dentistry, abstainer, wanted for good-class business near London; salary £3 10s. and commission on Dental work. Apply, with references, 266/1, Office of this Paper.

QUALIFIED Manager required, ineligible, to take charge of business; Agricultural experience essential. Apply, with particulars of age, experience, and salary required, to Allen & Neale, King's Lynn.

QUALIFIED Manager; ineligible; middle-class Country business, Yorks, W.R.; good all-round experience; comfortable hours. Apply, with salary, etc., to 266/21, Office of this Paper.

QUALIFIED lady Dispensers required; apply by letter, stating age, experience, and salary required; hours 8.30 a.m. to about 6.15 p.m., Saturdays 1.30 p.m. Address, "T. P. M.," Drug Department, Junior Army and Navy Stores, 15 Regent Street, S.W.

QUALIFIED Chemist, over age or ineligible, part-time. Apply, "C. B." (267/12), Office of this Paper.

REYNOLDS & BRANSON, LTD., Leeds, require an Assistant (ineligible) for Retail and Dispensing Department. Apply, in the first instance by letter, giving full particulars.

UNQUALIFIED man wanted at once. Apply personally, Spink & Co., 27 Tottenham Court Road, W.

UNQUALIFIED Assistant; must have been rejected by Army; comfortable permanency for capable man. State age, experience, and salary required, "U." (263/261), Office of this Paper.

WANTED, one unqualified Assistant with good-class experience, not eligible for the Army; also one Drug Warehouseman for filling and despatching orders. Apply, stating particulars, to Wilson & Kitchin, Wholesale and Retail Chemists, Whitehaven

WANTED immediately, steady reliable man to take charge of business in West Riding of Yorkshire; arrangements could be made for sale of business if desired. Apply, stating age, experience, and salary required, to Joshua E. Hoyle, A.C.A., 14A Crossley Street, Halifax.

WHOLESALE.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

CHECKING Clerk required in London Druggist's Sundries Warehouse; previous experience and good record essential. Write, stating wages required, age, and previous experience, to Box 566, c/o Mitchell & Co., Ltd., 1 Snow Hill, E.C.

CLERK (ineligible) wanted for Commission Exporter's Office, shipping Drugs and Chemists' requirements to British Colonies; preference given to one who has been employed in similar business. Apply, stating particulars of experience, and salary required, to 168/47, Office of this Paper.

CLERK, with good all-round experience of Druggists' Counting-house routine, required in City house; salary £100-£120 per annum, according to qualifications and experience. Full particulars to 169/55, Office of this Paper.

CLERK with good experience of Extending Invoices; must be quick and accurate; liberal salary. Apply, with full particulars to 169/61, Office of this Paper.

FITTER, well accustomed to Truss, Surgical, and Orthopædic work, wanted by old-established Firm of Surgical Instrument Makers; ineligible for the Army. Applicants, when writing, should state full particulars of experience, age, and salary required, to 168/60, Office of this Paper.

GOOD, smart Assistant; ineligible for the Army; with first-class experience of Surgical Instruments and Sundries. Applications, giving full particulars of experience, age, and salary expected, should be addressed to "Volsells," c/o S. Maw, Son & Sons, 7-12 Aldersgate Street, E.C.

LABORATORY Assistant wanted by well-known Provincial house; previous experience essential; need not be qualified; permanency and good wages. Apply, with full particulars, to "Pomegranite" (168/59), Office of this Paper.

LABORATORY Foreman required, to take charge under Chemist in London Wholesale Druggists' Laboratory; capable of making all Galenicals and Purate Formulæ; a good position for an experienced man. Apply, "Upad" (169/56), Office of this Paper.

PERFUMER (Experienced).—Good man wanted; able to handle all Toilet Preparations, both good class and cheap, in large quantities; permanent, progressive position for suitable man. Write, giving full particulars, to 169/42, Office of this Paper.

PRACTICAL man required, accustomed to making Cold Creams and Toilet Preparations; careful, accurate, and methodical worker; ineligible. 167/71, Office of this Paper.

REQUIRED, by a Wholesale firm, a competent man for Wet Cellar (ineligible for military service). State experience and wages, 267/21, Office of this Paper.

SPONGES.—Wanted, experienced Bleacher and Stockkeeper; good prospects. Write full particulars, and salary required, to 70 Willesden Lane, Kilburn, London, N.W.

TABLET Maker.—Experienced hand wanted; permanency. State age, particulars previous situations, and customary information, Timothy White Co., Ltd., Portsmouth.

TOILET Preparations.—Provincial Hairdressers' Sundriesmen have vacancy for an experienced Assistant in Laboratory. State age, reference, and salary required, 163/6, Office of this Paper.

TRAVELLER for London and district required by manufacturers of Perfumery and Toilet Articles; must have a live connection with Chemists. Apply, with full particulars, 169/4, Office of this Paper.

WET-FLOOR and Laboratory Assistants urgently wanted. Apply, Willows, Francis, Butler & Thompson, Ltd., 40 Aldersgate Street, E.C.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid. The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

BERNE (Switzerland).—Wanted an experienced Assistant, speaking fluently English, French, and German, for International Retail and Dispensing business; salary 300 francs a month; outdoors. Apply, with full particulars and photo, to B. Studer, Anglo-American Pharmacy.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

[HOME.]
RETAIL.

ADVERTISER seeks evening employment; unqualified; ineligible; Dispensing, Bookkeeping; S.W. district preferred. Address, 262/21, Office of this Paper.

ASSISTANT; ineligible for service; unqualified; Dispensing, Counter, Extractor; Nottingham or Sheffield district. "Barium" (263/16), Office of this Paper.

ASSISTANT, unqualified, but qualified by training and experience in Dispensing, Salesmanship, Buying, and Window-dressing; 3½ years Manager in West End; married; 28. "Cyanide," 4 Kingston House, Camden Street, N.W.

CHEMIST desires re-engagement in modern Pharmacy, country preferred, with plenty of opportunities for energy and originality; Agricultural and Photographic; over Army age. Walker, 20 Noble Street, Wem.

DISENGAGED, thoroughly competent, reliable, experienced Assistant, Manager or Locum; smart at Counter, Dispensing, Prescribing, Window-dressing; good references. "L. G.," Hillcrest, Hardings Green, Cookham.

DISPENSER (unqualified) requires evening work; used to N.H. Dispensing; S.W. district (Chelsea or thereabouts) preferred. 264/5, Office of this Paper.

DRUG Stores Manager; highest references, good experience; ineligible; abstainer; view to purchase or otherwise; Country or Mixed business not objected to. 265/6, Office of this Paper.

ELDERLY qualified Manager-Assistant; N.H.I.; single; permanency; active; Prescriber; light duties; moderate hours. 263/36, Office of this Paper.

ELDERLY qualified; long experience; highest references; Locum or permanent; in or near Liverpool or Birkenhead preferred. Apply, "Medicus," 12 Town Row, West Derby, Liverpool.

EVENINGS; London or Suburbs; 15 years' good all-round experience; Dispensing, Counter, Photography; capable of taking charge; exempt. "Rhei," 11 Lucerne Road, Thornton Heath.

EVENINGS, 2 or 3; all-round experience; quick Dispenser; exempt. "Normanhurst," Heston Road, Hounslow.

EXPERIENCED lady Dispenser (Hall certificate) would Dispense or keep books for Doctor or Chemist; S.W. or N.; two evenings weekly. Apply, 263/30, Office of this Paper.

GENTLEMAN offers his services two or three evenings a week, including Saturday, in return for experience in Dispensing; North London, if possible near Finsbury Park, Wood Green, or Muswell Hill; willing to make himself generally useful. Please write, Mr. S. F. Hamlin, "Melbury," Grove Avenue, Muswell Hill, N.

GLASGOW or District.—Branch Manager or good responsible berth; qualified; ineligible; age 27; energetic; experienced. Apply, "Vis" (262/23), Office of this Paper.

HOSPITALS and Infirmaries.—As experienced Dispenser; ineligible; 6 years Medical Assistant and Surgery Attendant; smart, quick, neat. "G.," 10 Grange Road, Plaistow.

IMMEDIATELY, Retail Counter experience desired by Doctor's Dispenser (12 years); thoroughly trustworthy; ineligible; for assistance and outdoor maintenance expenses. Address "Y," 8 May Avenue, Seacombe, Cheshire.

LADY Assistant; Hall certificate; evening work or full time; easy reach Finsbury Park. "Chemist," 13 Cannon Road, Southgate.

LADY, unqualified, seeks berth, Birmingham district; age 23; good experience. Apply, "G. H." (262/8), Office of this Paper.

LADY Dispenser requires post with Doctor or at Institution in or near Bath, Bristol, or London; please state salary. 263/17, Office of this Paper.

LADY Dispenser desires post; good references. Address, Miss G. V. Painter, "Granby," Haunerch Road, Colwyn Bay.

LADY Dispenser (23), Hall certificate, desires post; Doctor or Hospital. 264/36, Office of this Paper.

LADY Dispenser (Apothecaries' Hall), young, desires post in London; one year's experience with Doctor. "M.," 4 Dalgarno Gardens, St. Quintin's Park, W.

LADY Dispenser, six months' training, not yet passed Apothecaries' Hall, desires a post with Doctor or Chemist, with a view to passing Exam. Address, J. Millard, 88 South Side, Clapham Common.

LADY (24), good experience in Dispensing. 169/59, Office of this Paper.

LADY, Minor, requires post London; several years good experience Retail and Dispensing. 267/9, Office of this Paper.

LOCUM; qualified; reliable; good experience and references. "Pharmacis," 23 Allen Street, Mountain Ash.

LOCUM; disengaged; terms moderate; recent references. "A.," 29 Doris Road, Sparkhill, Birmingham.

LOCUM; country; disengaged April 17; qualified; 50; booking forward. Dewey, Helena Avenue, Margate.

M.P.S., EXEMPTED, seeks situation in Light Retail and Dispensing business; 10 years' good experience. "Chemicus" (263/11), Office of this Paper.

MANAGER or position of responsibility; qualified; married; 40; highest class South Coast and West-End experience; practical knowledge of Management and Salesmanship; accustomed to being in sole control, Buying, Advertising, price lists, general administrative duties. "Forward" (263/4), Office of this Paper.

MANAGER; qualified; ineligible; middle-aged; wide experience; excellent references; entire charge; country or coast town preferred. Manager, 29 Deacon Street, Walworth, S.E.

MANAGER, qualified, 36, married, good references, requires post at seaside town, South Coast. Tunnioliff, 3 Anerley Road, Upper Norwood, S.E.

MANAGER; 38; married; experienced, provincial, seaside; Photography, little Optics; highest references. "Qualified" (267/24), Office of this Paper.

MANAGERSHIP or responsible position; qualified; middle-age; permanency desired; good experience and references; Yorks preferred; disengaged in few days. 265/29, Office of this Paper.

MINOR, lady, wishes evening or Saturday and Sunday Retail or Dispensing work; thorough knowledge of both; S. or S.W. district. State terms, 267/15, Office of this Paper.

PART-TIME.—Manchester student desires few hours' occupation each day; first-class experience. Hornby, 57 Acker Street, C.-M., Manchester.

PART-TIME lady Dispenser (Hall certificate); experienced; London or suburbs. Miss L., 3 Culross Street, Park Street, W.

PART-TIME; easy reach Clapham; elderly Chemist-Dentist. 41 Voltaire Road, Clapham.

QUALIFIED, experienced (37), as Manager or Buyer; partnership or view to succession entertained; disengaged. "T." (262/11), Office of this Paper.

QUALIFIED; 30; married; experienced; Locum or Manager; country preferred. 264/30, Office of this Paper.

QUALIFIED Manager; permanency, Locum; 38; outdoors; every experience; recently proprietor; commence immediately. 265/7, Office of this Paper.

QUALIFIED, Manager or First Assistant; age exemption; North or Midlands; end of March. Full particulars. 265/33, Office of this Paper.

QUALIFIED Manager; permanency, Locum; good Counterman; references; disengaged. "Pharmacist," 485 Ashton Road, Oldham.

QUALIFIED wants permanency; used to good Dispensing, Mixed and Agricultural business. 169/7, Office of this Paper.

QUALIFIED Chemist desires post Dispenser; London or Suburbs; Hospital or Institution, or Panel Committee work. "Medico" (264/29), Office of this Paper.

QUALIFIED Locum or temporary; 43; good all-round experience, including Photography and Optics. "Alpha" (267/31), Office of this Paper.

WOMAN Pharmacist desires post; experienced, Retail and Dispensing. West, Roslyn, Wadebridge, Cornwall.

£4.—London; unqualified; ineligible; Front Counter, Dispensing. Hodie, 10 Alfearn Road, Clapton.

WHOLESALE.

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ADVERTISER, qualified Chemist, requires additional line for high-class travelling connection; Drugs, Sundries or Patents. 265/18, Office of this Paper.

BELGIAN, 21, ineligible, 12 months in London Retail Pharmacy, seeks new berth in Analytical or Pharmaceutical Laboratory; fair knowledge of Chemistry; interview preferred. 267/13, Office of this Paper.

BRISTOL and District.—Resident Traveller, over military age, covering this ground, is open to work good additional line in Bristol and adjoining counties, on a commission basis. Replies 247/5, Office of this Paper.

CHEMIST, unqualified (39), Wholesale Manufacturing, 20 years' experience, offers spare time evenings for Manufacturing purposes; well up in Tincts., Oints., Infus., Tooth Pastes and Powds., Face Pds., Hair Dyes, Creams, Brills, long range of packed goods; used to control and organising, costs, etc. 263/39, Office of this Paper.

CHEMIST-TRAVELLER at Cardiff, working S. Wales, is prepared to take Agency for a first-class house on commission. Age, energy, references satisfactory. 265/3, Office of this Paper.

DEPARTMENT Manager, with 20 years' experience in Producing, Manufacturing, and Selling every kind of Packed Pharmaceutical, Perfumery, and Toilet goods, seeks permanency. Salary required, £312 per annum. "Summit" (264/33), Office of this Paper.

LONDON Representative of well-known City Drug and Sundries house desires change; inquiries invited; over military age. 261/25, Office of this Paper.

MINOR, good Laboratory experience, desires position with Wholesale Manufacturing Firm; highest references. 266/12, Office of this Paper.

PERFUMER (Manufacturing), ineligible, many years' experience, wants situation; Specialities, Face-cream, Shaving-cream, Hair-dyes, etc. "B. 13" (266/26), Office of this Paper.

PILLS, Horse-balls, Pessaries, Tablets.—Competent man requires situation as Foreman; 11 years last situation; well up in Doctors' private recipes; capable and energetic. 267/26, Office of this Paper.

SMART, experienced Country Traveller (not eligible); good connection leading Chemists and Druggists South, West, and East of England, S. Wales, Midlands, and London suburbs; highest references. Apply, "F." (264/7), Office of this Paper.

TRAVELLER; good connection London, Suburbs, South; could Represent Sundries House. 15 B.T.I., Mortlake.

WEST of England.—Gentleman covering this ground desires an additional commission for a well-known house; excellent references; guarantee. Address, "Energetic" (263/27), Office of this Paper.

MISCELLANEOUS.

MCADAM & TUCKNISS, Sharedealers, Bank Chambers, Blackheath, S.E. Established 1898. Telephone, 81 Lee Green.
Shares for Sale (free of commission, subject).—40 British Moss Litter 6 per cent. Preference, 15*s.*; 80 British Oil Cake Ordinary, 19*s.* 3*d.*; 100 Ilford Ordinary, 10*s.* 7½*d.*; 400 G. B. Kent 5½ per cent. Preference, 17*s.* 3*d.*; 200 W. B. Fordham, 11*s.* 1½*d.*; 8 Boake, Roberts & Co. £10 5 per cent. Preference, £8 10*s.*
Wanted (subject).—5 Camwal Debentures, 30*s.*; 100 Idris "A" Preference, 3*s.*; £1,000 4 per cent. Debenture, 57 per cent.; 100 Wright Layman Preference, 19*s.* 9*d.* c.d.
Every effort made to effect business for Buyers and Sellers in all Stocks and Shares. Bankers, London County and Westminster.

SECOND-HAND Chemists' Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 265 Old Street, London, E.C.

BEST cash price paid for all old Cameras, any make, also all old Photo goods, no matter how damaged; any kind you may have send them along: cash will be sent same day; no waiting; we buy all and return nothing. S. E. Hackett, 23 July Road, Liverpool, E.

COMPLETE SET OF SHOPFITTINGS (Second-hand).—12-ft. Drug Fitting, Glass Labels and Knobs, Lockers and Shelving; 12-ft. Mahogany Top Counter; Desk and Case; 5-ft. Wall Case; Bent Counter Case; 6-ft. Dispensing Screen and Counter; suit any shop; £42 10*s.* PHILIP JOSEPHS & SONS, LTD., 93 Old Street, London, E.C.

8/6 3 Years 4 Columns

Jay Mack's Ledger

Replaces Book-Keeping Exams. Send p.c. for sample sheet. Taxes doubled this year; they assess you on 40% Profit unless you Keep Books

10/6 4 Years 5 Columns

On appro. on receipt of cheque. Booking fee if returned.

MACK - IVOR, Hightown P.O., Crewe. | AYRTONS, BLEASDALES, EVANS, RAIMES (Edinb.).

WAR WANTS EXCHANGE.

The object of this section is to facilitate the interchange of pharmaceutical products which are scarce at present owing to the War, and which the inquirers have failed to obtain through the customary business channels.

TERMS

Minimum charge (including registration fee) of 1/- for six words or less; 2d. per word beyond, prepaid. Inquiries are inserted with a registration number attached to each item, and replies will be communicated direct to the inquirers by the Information Department of "THE CHEMIST AND DRUGGIST."

WANTED.

Principals having any of the following articles to dispose of are requested to notify the fact by postcard or otherwise stating quantity and price to

THE WAR WANTS EXCHANGE,

"The Chemist and Druggist," 42 Cannon Street, London, E.C.

Adalin powder and tablets (264/26)
Adalin tablets (263/92)
Butyl-chloral hydrate (265/31)
Carlsbad salt (genuine) (266/19)
Emser salz (264/26)
English lavender oil (264/26)
Eugallol (264/26)
Potass. permanganas (265/31)
Pyramidon (264/26)
Resorcin (265/31)
Saccharin 550 (any quantity) (266/10)
Sodium salicylate (263/19)
Veronal (264/26)

FOR DISPOSAL.

Bona-fide buyers of the following articles are requested to communicate their exact requirements promptly to us, and we shall place them in touch with sellers:—

Acid. salicylic., B.P., 1 lb. (263/15)
Aspirin, 1 oz. (246/13)
Metol, 1 oz. (246/13)
Phenacetin, 1 oz. (246/13)
Phenazone, 1 oz. (246/13)
Phenacetin and acetyl-salicylic acid (2½ gr. each), in 5-gr. tablets, 6½ lb.
Sodium benzoate, 56 lb. (263/29)
Sodium salicylate, 1 lb. (246/13)

EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.
No advertisement inserted for less than 6*d.*

FOR DISPOSAL.

BOOKS AND PERIODICALS.

BOOKS.—Barnard Smith's Arithmetic, 2*s.* 3*d.*, key to same, 3*s.* 3*d.*; Hamblin Smith's Arithmetic, 2*s.*; Eugene's French Grammar, 1*s.* 9*d.*; Flügel's German-English Dictionary, 2*s.* Nicholls, 21 Jubilee, Newquay, Cornwall.

DRUGS AND CHEMICALS.

4 oz. guaiac. carb. tabs., gr. v., 4*s.* oz. Hinkley, 155 Wallasey Village, Cheshire.

WHAT offers? 1,000 tablets phenolphthalein, gr. 1½. Wolfe, Chemist, Kinsale.

OFFERS wanted: 1 lb. ac. acetosal., 4 oz. phenacetin, 4 oz. sodii iodid., Css. inf. calumb. conc. "Chemist," 43 Norland Road, Notting Hill, W.

WHAT offers? 4-lb. or 7-lb. parcel potassium permanganate; 12 25's phenacetin tabs., gr. v.; 12 25's phenacetin co. tabs., gr. v. 263/330. Office of this Paper.

30 oz. quin. sulph. B.P., 3*s.* 6*d.* oz.; 2 lb. ac. citric. xtals. ang., 3*s.* 6*d.* lb.; 2. lb. pot. iodid. B.P., 15*s.* lb.; 4 lb. ol. almond. ang., 2*s.* 9*d.* lb.; 7 lb. ol. eucalypti, 2*s.* 3*d.* lb.; 1 doz. aspirin tabs. 100's (Bayer), 3*s.* 6*d.* each; 2 2-gal. carboys, pear shape, 7*s.* 6*d.* each; 2 10-gal. carboys, pear shape, 7*s.* 6*d.* each; 2 specie jars, gold tops, 12*s.* each; 6 oz. ac. salicyl., 1*s.* 7*d.* oz. "T. A.," 126 Stephendale Road, Fulham.

OPTICAL AND PHOTOGRAPHIC.

WHAT offers? optical trial case, with adjustable trial frame (Anglo-American), quite new, in black leather case; present price £8 6*s.* 9*d.* plus 10 per cent. Willmott, Chemist, Radstock, Bath.

MISCELLANEOUS.

100 gross amber glass tubes, with screw tops; capacity 6 drams; sample 2*d.* Sharman, Northwood.

SURPLUS stock fancy and other labels for packing trade. Marston, Chemist, Walthamstow.

300 honeycomb sponges, retail 6*d.* to 8*d.*; 3 doz. sample sponges, 1*s.* L. Rosenberg, 18 Camp Road, Leeds.

3 40-ft. British Oxygen Co. cylinders; 1 composition mortar and pestle, 11-in. internal diam.; what offers? E. E. Hall, Newbridge, Wolverhampton.

WHAT offers? 4 lb. ac. gallic.; 1 lb. podophyllin resin; 4 lb. antim. sulph. præcip.; 7 gross test-tubes (5 by ⅝); 14 lb. aniline dyes (assorted); 14 lb. camwood. Savage, Manchester Road, Bradford.

WHAT offers? 30 10-oz. N.M., 12 6-oz. W.M., 21 8-oz. W.M., 3 20-oz. N.M. shop-rounds, 5 20-oz. oil capped (glass) shop-rounds, 18 4-oz. W.M. (stoppered) laboratory rounds. Walton, Chemist, Higher Broughton, Manchester.

THREE good ledgers, 700 pages each, 13 by 8, only small space partially used, 5*s.* each; another, larger, brass protected, full leather bound, 1,000 pages, 15 by 9½, first 215 pages partially used, remainder blank, 10*s.*; approval subject all carriage defrayed. Kemp, Druggist, Horncastle.

WANTED.

WANTED, cattle castor oil. 261/8, Office of this Paper.

STILL wanted; Stokes' preferred, smallest size. The Oxford Drug Co., Ltd., Oxford.

WANTED, luminal or sodium luminal. Horniblow & Son, 29 Sidbury, Worcester.

COCAIN. hydrochlor., several oz. wanted. State lowest cash price. Blaine, Chemist, Ayr.

WANTED, tube-filling machine, hand or power. Elson, 3 Camerton Road, Eastville, Bristol.

PHARMACEUTICAL Journal Formulary, recent. "Chemist," 43 Norland Road, Notting Hill, W.

BOTTLES, vials, cauions, flats, ovals, etc.; ex-stock or in transit. Longcroft, 16 Clerkenwell Road, E.C.

WANTED, 50 tons of lump alum. State price f.o.b. and quantity offered, "M. D.," c/o 11 The Broadway, Highbury Park, N.

TINS, vaseline, ointments, salves, plain or labelled; any quantity wanted for cash. Levers, 56 Chapel Street, Manchester.

OPTICAL books, Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W.

Printed for the Proprietors by SPOTTISWOODE, BALLANTYNE & CO. LTD., 1 New-street Square, and Published by the Proprietors at 42 Cannon Street, in the City of London.—*March* 25, 1916. [56]

REGISTERED BRAND.

Registered Trade Mark.
"Bell and Dragon."

Corbyn, Stacey & Co., Ltd.

Telephone No.: East 1833. No. 26. Telegrams: "Colocynth, Step, London."

Already we have received numerous inquiries for Corbyn's Effervescent Health Saline, and pharmacists are particularly asking us to supply them with just that same product, similar in flavour and effervescence, that they obtained from us and which so satisfied their customers last year.

Unfortunately higher prices are ruling than when this line was last in season. There are two ways of meeting this, the one to reduce the quality and maintain the old price, the other to raise the price and explain to the customers that it is necessary to do so if they wish for a first-rate product. We are convinced that the latter is the best course, and submit our new season's prices with the full assurance to our customers that the quality has been maintained.

Packed in 4-oz. round lever-lid tins with elegant design enamelled in attractive colours, we confidently recommend it as a line that will bring repeat orders.

Per dozen **3/9**; gross **3/6** dozen.

Effervescent Saline, Liver Saline, Carlsbad Salts, Citrate of Magnesia of the finest quality and attractively put up.

Prices on Application.

Packed in white glass panelled flats, elegantly labelled and capped, own name on three dozen.

2 fl.-oz. **3/6** per dozen.	6 fl.-oz. **7/6** per doz.
4 fl.-oz. **5/9** „	8 fl.-oz. **9/10** „

CORBYN'S TOILET LANOLIN.

SCENTED or UNSCENTED.

PRICES.

1 oz. tubes **4/6** per doz. Cartons **6d.** per doz. extra.
2 oz. „ **7/-** „ „ „ **9d.** „ „ „
or in Opal Octagon Pots with Aluminium Screw Caps.
1 oz. **4/3** per dozen.

(*Own Name and Address on 3 dozen*).

LANOLIN.

ADEPS LANÆ, P.B., HYDROUS & ANHYDROUS.

PRICES ON APPLICATION.

BRUNTON'S WHARF,
COMMERCIAL ROAD EAST, LONDON, E.

FORMALIN THROAT TABLETS

SALES BIGGER THAN EVER!

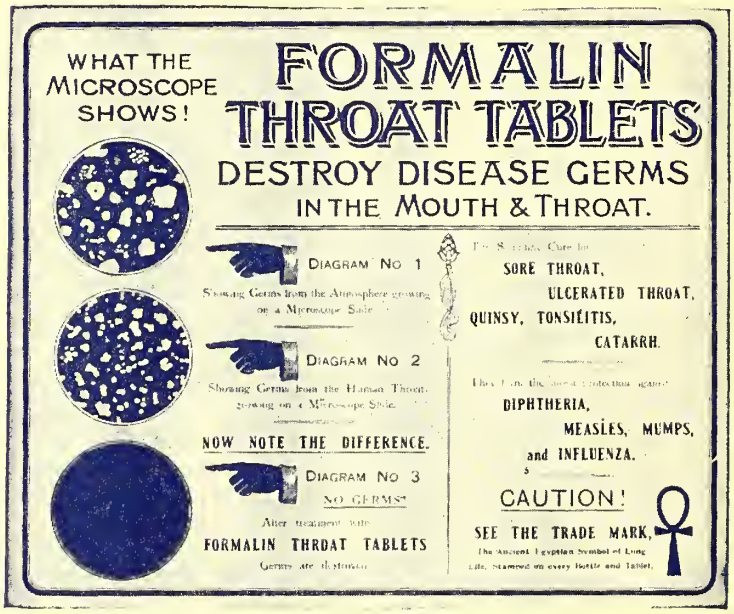
FREE SHOWCARDS.

PRICE
4/3
PER DOZEN.

4/-
PER DOZEN
FOR
12 DOZEN.

STYLE C.

PROTECTED SELLING PRICE **10½d.**



A NEW LINE!

Favoured by the Doctors.

Same style get-up as Formalin Throat Tablets.

IODISED THROAT TABLETS

FORMULA.

Tinct. Iodi	...	...	m $\frac{1}{5}$
Acid Carbol.	...	...	gr. $\frac{1}{10}$
Menthol ...	...	...	,, $\frac{1}{30}$
Acid Citric	...	} aa.	q.s.
Sacch. Alb.	...	} ad	gr. 12

PRICE
4/6
PER DOZEN.

THE STANDARD TABLET & PILL Co LIMITED
HOVE, ENG.

Printed for the Proprietors by Spottiswoode, Ballantyne & Co. Ltd., New-Street Square, E.C.; and Published by the Proprietors at 42 Cannon Street, in the City of London.—*March* 25, 1916.